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MASSACHUSETTS BOARD OF LIBRARY COMMISSIONERS
648 Beacon Street Boston, MA 02215

Selected Public Library Statistics

DATA FOR MASSACHUSETTS FY88

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Contents

Page

1 Introduction
5 Statewide Data and Regional Addendum
9 Usage Notes

Section One: Summary Tables

13 Table A Total Operating Income Per Capita
14 Table B Appropriated Municipal Income Per Capita
14 Table C Total Operating Expenditures Per Capita
15 Table D Salary Expenditures Per Capita
15 Table E Salary Expenditures as Percent of Total Operating Expenditures
16 Table F Materials Expenditures Per Capita
16 Table G Materials Expenditures as Percent of Total Operating Expenditures
17 Table H Holdings Per Capita
17 Table I Circulation Per Capita

Section Two: Data for Individual Municipalities

20 Population Group I (1 - 1,999)
24 Population Group II (2,000 - 4,999)
28 Population Group III (5,000 - 9,999)
32 Population Group IV (10,000 - 24,999)
38 Population Group V (25,000 - 49,999)
40 Population Group VI (50,000 - 99,999)
41 Population Group VII (100,000 +)

Section Three

44 FY89 Library Incentive Grant and Municipal Equalization Grant Application, Page 2 and Instructions
54 Annual Report Information Survey, Last Page and Instructions

Municipal Index to Population Groups

58

Introduction

The report provides per capita and percentage figures reflecting selected FY88 support and activity indicators for responding public libraries. Data were compiled from the FY89 Library Incentive Grant and FY89 Municipal Equalization Grant Application and the Annual Report Information Survey forms.

With few exceptions, financial, collection, and hours open data are for the twelve month period ending June 30, 1988. Thirteen libraries reported holdings and/or circulation data for calendar year 1987. The work week and full-time equivalents (FTE) data are reported as of July 1, 1988.

The report reflects income data for 330 municipalities, 95% of those with public libraries. Expenditure data and hours open data were received from 325 communities. A total of 327 or 94% of the municipalities with libraries supplied holdings, circulation, work week, and staffing data.

For municipalities with more than one independent library receiving public funds, this report reflects the combined levels of library support and activity for all libraries within the community, except for Northampton where the Lilly Library did not submit any work week or staffing data.

ARRANGEMENT OF THE REPORT

The report is arranged in three sections: Summary Tables, Municipal Tables, and the survey forms. Statewide and regional data for selected indicators follow the introduction. The Usage Notes preceding the Summary Tables contain a formula for calculating percentiles not appearing in the Summary Tables.

Section One: Summary Tables

The summary tables display the mean (average), median, and the 10th, 25th, 75th, and 90th percentile values of nine indicators for population groups I through VI. Because of the small number of municipalities in group VI, the percentiles for this group should be considered estimates only.

Means, medians, and percentiles are superfluous for group VII, the three municipalities with populations in excess of 100,000. Data for these municipalities appear in the municipal tables only.

Section Two: Municipal Tables

Data for individual municipalities are arranged in seven population groups based on the 1986 federal population estimates. See the index to determine in which population group a municipality is listed.

INDICATORS OF LIBRARY SUPPORT & ACTIVITY

In addition to 1986 population estimates, 1986 population rank, and regional system affiliation (Central, Eastern, or Western), the following library data appear in this order in the municipal tables:

Total Operating Income Per Capita
Appropriated Municipal Income Per Capita
Total Operating Expenditures Per Capita
Salary Expenditures Per Capita and as a Percent of Total Operating Expenditures
Materials Expenditures Per Capita and as a Percent of Total Operating Expenditures
Holdings Per Capita
Circulation Per Capita
Hours Open in the Winter and Summer
Hours in the Work Week
Full-time Equivalents of Staff

The emphasis of the report is municipal data. Therefore, we ask that the state funds received by libraries that contract with the Board of Library Commissioners to provide regional services be omitted from the report.

The following federal and state funds have been included, where relevant, in the report if the library reported them as sources of operating income or expenditures: the Library Incentive Grant, the Municipal Equalization Grant, and the Additional Aid to Public Libraries.

Because all libraries do not have precisely the same sources of income, the **Total Operating Income** data are not comparable in terms of categories of income and access to the income.

The discretion with which trust and/or endowment income may be expended varies widely among libraries depending on the fund restrictions. Some funds, for example, restrict expenditures to materials on a relatively narrow topic. As a result, a library's operating income may appear inflated until selected materials complying with the fund requirements are acquired.

Print and non-print data are combined in the **Holdings** and **Circulation** indicators.

Hours Open, Winter and Summer, displays the number of hours in an average week that the library was open to the public in FY88. Hours for branch libraries are included if they do not overlap main library hours.

Hours in the Work Week, for larger libraries, is the number of hours typically worked per week by a full-time paid staff member; that is, 35 or more. For smaller libraries where no one works 35 hours, the figure is the greatest number of hours worked in a typical week by a paid staff member. Even though it is less than 35 hours and for the purposes of this report is not considered full-time, that work week may be considered full-time by the municipality.

The full-time equivalents (FTE) reflect paid full-time and part-time staff, excluding those paid by state or federally subsidized employment programs. One FTE equals 35 paid staff hours.

LIBRARY INCENTIVE GRANT AND MUNICIPAL EQUALIZATION GRANT PROGRAMS

The compilation of data for this report may not necessarily correspond to the data used to determine compliance with the requirements of the FY89 Library Incentive Grant Program or FY89 Municipal Equalization Grant Program.

STATEWIDE DATA

Statewide data for selected financial and collection indicators are shown for the last three fiscal years with per capitas based on the population served by the libraries responding each year.

The agency welcomes your comments and suggestions and examples of how the report is being used.

Special thanks are due to Betty Wei and Sara Speeth of the BLC staff; the report would not have been possible without their continuing efforts.

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STATISTICS OF PUBLIC LIBRARIES STATEWIDE SUMMARY FOR SELECTED INDICATORS, FY 86-88

(per capita figures in parentheses)

FY[a]	No. of Reptg Libs.	No. of Reptg Muns.	Total Operating Income $	Appropriated Municipal Income $	Total Operating Expenditures $	Salary Expenditures $	Materials Expenditures $	Holdings	Circulation	FTE[f]
1986	see footnote b		83,435,131	78,917,786	80,587,387	55,030,976	13,238,022	27,560,842[c]	32,066,913[c]	3832.5[c]
			(14.60)	(13.81)	(14.28)	(9.75)	(2.35)	(4.84)	(5.64)	
1987	see footnote b		95,895,976	86,878,548	92,244,387	62,584,812	15,818,793	27,711,286[d]	31,975,447[d]	3985.9[d]
			(16.61)	(15.05)	(16.09)	(10.92)	(2.76)	(4.82)	(5.56)	
1988	see footnote b		105,196,059	95,411,511	101,624,046	69,730,286	16,925,579	27,977,472[e]	33,113,039[e]	4081.6[e]
			(18.12)	(16.44)	(17.64)	(12.10)	(2.94)	(4.84)	(5.72)	
86-87	% CHANGE IN PER CAPITA FIGURES		13.77	8.98	12.68	12.00	17.45	-0.41	-1.42	4.00%
87-88			9.10	9.24	9.63	10.07	6.52	0.41	2.88	2.40%
86-88			24.11	19.04	23.53	24.10	25.11	0.00	1.42	6.50%

Per capita figures are based on the population of municipalities served by responding libraries.

FY86, population (per 1980 census) served by responding libraries for income indicators = 5,712,808
for expenditure indicators = 5,644,946
for holdings and circulation data = 5,689,982

FY87, population (per 1984 estimates) served by responding libraries for income indicators = 5,773,247,
for expenditure indicators = 5,732,683
for holdings and circulation data = 5,747,823

FY88, population (per 1986 estimates) served by responding libraries for income indicators = 5,804,080
for expenditure indicators = 5,762,320
for holdings and circulation data = 5,785,750

a. Fiscal year applies to all indicators except FTE which are reported as of July 1 of each year

b. Reporting financial data;
for FY86: income data, 359 libraries in 332 municipalities; expenditure data, 346 libraries in 320 municipalities. The FY86 income totals for just those respondents who also reported expenditure data are: Total Operating Income $82,619,296 ($14.64) and Appropriated Municipal Income $78,201,707 ($13.85).
for FY87: income data, 359 libraries in 332 municipalities; expenditure data, 350 libraries in 326 municipalities. The FY87 income totals for just those respondents who also reported expenditure data are: Total Operating Income $95,599,506 ($16.56) and Appropriated Municipal Income $86,641,162 ($15.01).
for FY88: income data, 352 libraries in 330 municipalities; expenditure data, 347 libraries in 325 municipalities. The FY88 income totals for just those respondents who also reported expenditure data are: Total Operating Income $104,869,227 ($18.20) and Appropriated Municipal Income $95,155,911 ($16.51)

c. Holdings, circulation, and FTE data based on 354 libraries reporting from 328 municipalities.

d. Holdings, circulation, and FTE data based on 351 libraries reporting from 329 municipalities.

e. Holdings, circulation, and FTE data based on 349 libraries reporting from 327 municipalities.

f. Rate of change calculated on gross figures.

FY88 REGIONAL ADDENDUM

Average Per Capita Figures for All Reporting Municipalities
By Population Group and Regional Affiliation for 7 Indicators of Library Support and Activity

Population Group	Total Library Operating Income $				Appropriated Municipal Operating Income $				Total Library Operating Expenditures $				Salary Expenditures $				Material Expenditures $			
	C	E	W	Pop Group	C	E	W	Pop Group	C	E	W	Pop Group	C	E	W	Pop Group	C	E	W	Pop Group
I 1-1,999	11.79	32.78	7.41	9.45	6.08	29.00	5.21	6.73	10.70	29.57	7.03	8.81	4.70	18.22	3.45	4.48	2.77	8.91	2.15	2.63
II 2,000-4,999	11.56	19.68	9.72	14.42	9.66	17.72	7.60	12.45	10.96	18.56	9.22	13.67	6.19	11.42	5.07	8.08	2.83	4.37	2.52	3.39
III 5,000-9,999	11.91	14.49	14.06	13.60	10.46	13.12	10.63	11.84	11.55	13.94	13.42	13.14	7.45	8.81	7.87	8.24	2.55	3.05	2.86	2.87
IV 10,000-24,999	16.77	16.88	14.15	16.57	15.24	15.39	12.87	15.10	16.16	16.58	13.81	16.20	10.35	11.35	9.12	10.92	3.19	3.07	2.58	3.04
V 25,000-49,999	17.01	17.82	15.29	17.36	14.86	15.94	12.65	15.35	16.67	17.21	14.66	16.77	11.43	11.62	9.84	11.32	2.50	2.79	2.49	2.73
VI 50,000-99,999	----	15.41	9.18	15.12	----	13.92	7.96	13.64	----	14.66	8.83	14.39	----	10.76	6.69	10.57	----	2.12	1.32	2.08
VII 100,000+	21.11	32.90	29.30	30.18	19.67	31.21	27.95	28.59	20.48	32.71	29.30	29.94	15.23	22.77	20.47	21.03	2.67	4.77	4.29	4.31
REGIONAL/ ALL GROUPS	16.47	18.90	16.38	18.26	14.80	17.27	14.31	16.56	15.65	18.28	15.97	17.64	10.47	12.65	10.63	12.10	2.83	2.98	2.79	2.94

for income indicators:
C (Central Region) reflects 70 reporting municipalities with a 1986 federal census of 738,050
E (Eastern Region) reflects 176 reporting municipalities with a 1986 federal census of 4,285,690
W (Western Region) reflects 84 reporting municipalities with a 1986 federal census of 780,340

for expenditure indicators:
C (Central Region) reflects 67 reporting municipalities with a 1986 federal census of 720,860
E (Eastern Region) reflects 174 reporting municipalities with a 1986 federal census of 4,261,120
W (Western Region) reflects 84 reporting municipalities with a 1986 federal census of 780,340

FY88 REGIONAL ADDENDUM

Average Per Capita Figures for All Reporting Municipalities
By Population Group and Regional Affiliation for 7 Indicators of Library Support and Activity (cont'd)

Population Group	Total Holdings C	Total Holdings E	Total Holdings W	Total Holdings Pop Group	Total Circulation C	Total Circulation E	Total Circulation W	Total Circulation Pop Group
I 1-1,999	9.28	17.78	7.86	8.66	8.22	18.11	6.64	7.55
II 2,000-4,999	5.39	7.09	7.41	6.49	6.09	9.66	7.08	7.77
III 5,000-9,999	3.90	4.31	5.47	4.38	5.78	6.54	5.90	6.19
IV 10,000-24,999	3.66	4.28	3.46	4.08	6.75	7.05	7.46	7.04
V 25,000-49,999	3.93	3.80	4.57	3.93	5.75	6.23	6.22	6.20
VI 50,000-99,999	----	3.77	1.30	3.65	----	4.03	2.99	3.98
VII 100,000+	5.21	11.02	4.84	8.93	4.97	3.17	8.74	4.44
REGIONAL/ ALL GROUPS	4.30	4.97	4.59	4.84	6.00	5.49	6.74	5.72

for holdings and circulation data:
C (Central Region) reflects 70 reporting municipalities with a 1986 federal census of 738,050
E (Eastern Region) reflects 176 reporting municipalities with a 1986 federal census of 4,277,410
W (Western Region) reflects 81 reporting municipalities with a 1986 federal census of 770,290

Usage Notes

The statistical measures applied to each indicator of library support and activity in the Summary Tables are:

The Mean — a measure of central tendency which is commonly termed the "average." It is derived by dividing the sum of all the values in any particular group of data by the number of values included in that total.

Percentile Rank — describes the position of a value in its distribution, indicating the percent of cases in a distribution falling at or below the value of an indicator. For example, the library of a hypothetical municipality has a per capita operating expenditure of $6.00 and a corresponding percentile rank of 25. This indicates that 25% of the municipalities in the population group have the same or smaller per capita operating expenditure than the sample library.

Median — the popular term for the 50th percentile; is equal to the value of an indicator at or below which 50% of the values fall. The value of the median differs from the value of the mean when the distribution of the values of an indicator is not regular, but rather skewed or piled at either end of the range. When there is considerable difference between the median and the mean, the median is generally thought of as being the more valid measure of central tendency.

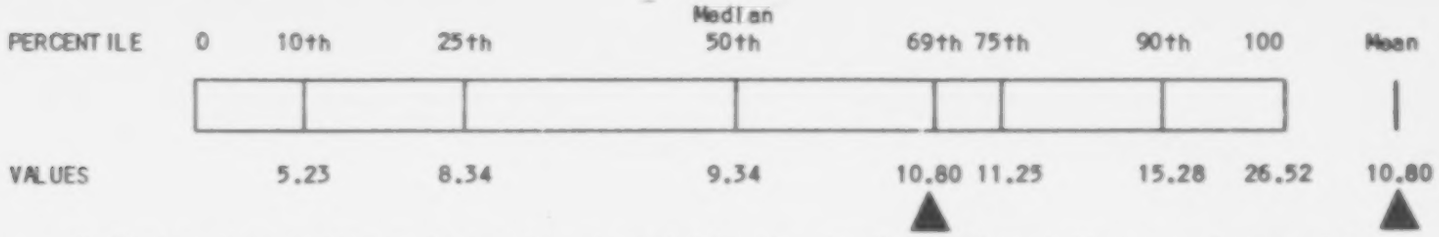
Percentiles are not the most descriptive measures when the number of cases is small, the distribution is skewed, or the range of values is small. This is especially evident in Table G for the 25,000 - 49,999 and 50,000 - 99,999 groups.

Constructed below are hypothetical library situations designed to illustrate how the Summary Tables may be used and how an undisplayed percentile may be calculated.

Calculating an Undisplayed Percentile

In some instances, the value of an indicator may fall between the displayed values of a statistical measure, such as between the median (50th percentile) and the 75th percentile and it is informative to calculate the undisplayed percentile. Following is an example of how this may be done.

Example A: For a library in a hypothetical municipality in the 50,000 to 99,999 population group (group VI), salary expenditures are equal to $10.80 per capita. From Summary Table D, we see that 10.80 falls between the values of the median (9.34) and the 75th percentile (11.25). We can estimate, based on the data available and using population served as a basis of comparison, that for the library in our hypothetical municipality, salary expenditures per capita are equal to or greater than 69% of the municipalities reporting in this population group.



Undisplayed percentile ranks may be calculated by the shorthand interpolation procedure used to compute the 69th percentile in Example A. This was done by:

a - Finding the difference between the displayed values falling above (11.25) and below (9.34) our hypothetical value (10.80). The difference is 1.91 salary expenditures dollars per capita.

b - Finding the difference between our hypothetical value (10.80) and the displayed value falling below it (9.34). The difference is 1.46 salary expenditures dollars per capita.

c - Determining the ratio of the latter difference to the former difference (1.46 divided by 1.91), which equals .764.

d - Finding the difference between the displayed percentiles corresponding to the displayed values falling above and below our hypothetical value (10.80). In our example, the difference between the corresponding percentiles (75th and median/50th) is 25 percentile units.

e - Interpolating the ratio from the values line to the difference between the displayed percentiles. In our example, the ratio is .764 (see c above) and the difference between the percentiles is 25 (see d above). .764 x 25 = 19.1 percentile units.

f - Adding the interpolated percentile units to the displayed percentile falling below our hypothetical value to arrive at the estimated percentile rank of our hypothetical library. For example, 19.1 + 50 = 69.1 = 69th percentile.

It should be noted that this procedure assumes that the size of the intervals between values is constant throughout the distribution. Quite often there is slight variability in their size, so that ranks computed by this method must be considered estimates.

Looking at More than One Statistical Measure

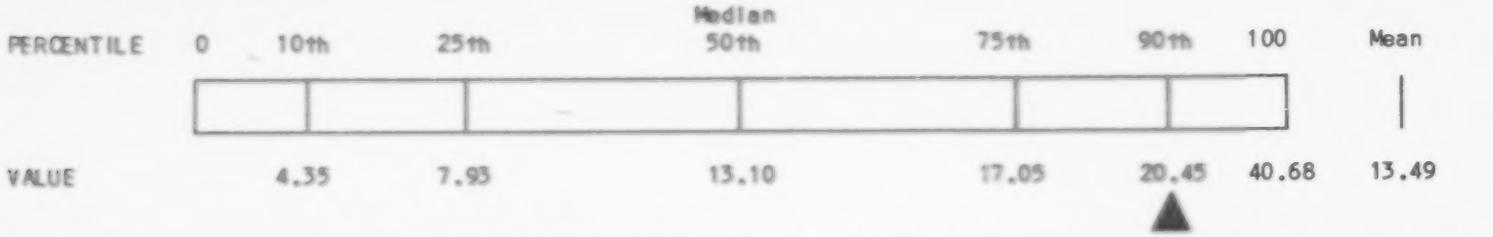
For each indicator it is most useful to review the results of the statistical measures in conjunction with one another. Another look at Summary Table D indicates that the hypothetical library mentioned in Example A has a salary expenditure per capita figure equal to the mean figure (10.80) of the population group.

Therefore, while we may say that salary expenditures per capita are equal to the "average" for this population group, it remains true that for our hypothetical municipality, per capita salary expenditures are greater than or equal to 69% of the reporting municipalities in this population group.

Another illustration of the value of looking at more than one measure follows.

EXAMPLE B: In some cases, percentile values may be used effectively to qualify the minimal information provided by the range of values for an indicator and population group. For example, a library in a hypothetical municipality in the 5,000 to 9,999 population group (group III) could have a total operating expenditure of $20.45 per capita.

From Summary Table C, we see that 20.45 equals the value of the 90th percentile and falls almost one half of the way between the range (3.07 through 40.68) of total operating expenditure per capita of all reporting libraries in this population group.



Based on this information, we may say, therefore, that even though the hypothetical library's total operating expenditure per capita is about one-half as much as that of the library with the highest value in the population group ($40.68), it has a total operating expenditure per capita greater than or equal to that of 90% of the libraries in this population group.

Using Other Bases of Comparison

We urge readers not to restrict themselves to comparisons by population groupings. Other indicators or combination of indicators in the report or from other sources which measure municipal revenue capacity may be used to group similar libraries and to form the basis of comparison among them. From the Municipal Tables in this report, a reader may identify municipalities having similar values for one or more of the support and activity indicators and thereby establish a group of similar libraries, regardless of population served.

Section One: Summary Tables

TABLE A - TOTAL OPERATING INCOME PER CAPITA ($)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1988

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	50	1.28 - 61.41	4.34	5.02	7.05	10.12	17.26	11.44
2,000 - 4,999	55	1.79 - 40.97	5.33	8.32	12.36	18.01	25.35	14.15
5,000 - 9,999	70	3.34 - 40.95	5.26	8.11	13.10	17.20	20.92	13.93
10,000 - 24,999	90	6.18 - 45.26	8.03	10.02	15.04	20.39	25.19	16.53
25,000 - 49,999	45	5.73 - 39.15	8.92	12.92	15.67	22.03	28.64	17.96
50,000 - 99,999	17	7.58 - 37.56	8.04	11.49	13.04	17.68	20.93	15.36

TABLE B - APPROPRIATED MUNICIPAL INCOME PER CAPITA ($)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1988

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	50	0.79 - 52.01	2.17	2.98	4.84	7.43	10.85	8.39
2,000 - 4,999	55	0.99 - 35.13	3.64	6.24	10.07	16.61	23.41	12.15
5,000 - 9,999	70	2.23 - 39.21	4.13	7.11	10.98	15.85	18.89	12.12
10,000 - 24,999	90	0.58 - 37.24	6.39	9.00	14.26	19.26	23.98	15.10
25,000 - 49,999	45	2.05 - 34.23	7.42	11.03	14.28	20.28	26.51	16.01
50,000 - 99,999	17	6.37 - 35.61	7.12	10.20	11.48	15.41	19.90	13.89

TABLE C - TOTAL OPERATING EXPENDITURES PER CAPITA ($)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1988

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	50	1.75 - 55.13	4.08	4.63	6.41	10.41	13.97	10.68
2,000 - 4,999	54	2.21 - 40.97	5.08	7.72	11.51	17.77	22.68	13.51
5,000 - 9,999	68	3.07 - 40.68	4.35	7.93	13.10	17.05	20.45	13.49
10,000 - 24,999	88	5.99 - 42.42	7.70	10.08	15.19	19.72	24.20	16.22
25,000 - 49,999	45	4.60 - 39.15	8.12	12.25	15.17	21.45	27.93	17.36
50,000 - 99,999	17	7.39 - 37.03	7.50	10.92	12.44	15.43	20.88	14.70

TABLE D - SALARY EXPENDITURES PER CAPITA ($)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1988

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	50	0.00 - 38.09	1.13	2.19	3.33	5.50	7.86	5.52
2,000 - 4,999	54	1.12 - 24.68	2.33	4.36	6.69	10.54	13.77	7.97
5,000 - 9,999	68	0.96 - 27.72	2.94	4.82	7.97	10.65	14.02	8.44
10,000 - 24,999	88	3.26 - 28.10	4.97	6.92	10.30	13.46	16.56	10.88
25,000 - 49,999	45	3.29 - 25.96	5.77	8.28	10.18	14.88	18.57	11.74
50,000 - 99,999	17	4.82 - 26.52	5.23	8.34	9.34	11.25	15.28	10.80

TABLE E - SALARY EXPENDITURES AS PERCENT (%) OF TOTAL OPERATING EXPENDITURES

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1988

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	50	0 - 76	23	41	48	60	67	48
2,000 - 4,999	54	34 - 74	43	52	58	63	69	57
5,000 - 9,999	68	31 - 76	52	58	63	67	69	62
10,000 - 24,999	88	47 - 80	59	62	67	70	74	67
25,000 - 49,999	45	49 - 79	58	65	68	72	74	68
50,000 - 99,999	17	65 - 79	67	71	74	77	79	74

TABLE F - MATERIALS EXPENDITURES PER CAPITA ($)

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1988

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	50	0.52 - 22.65	1.03	1.54	2.24	3.29	5.30	3.29
2,000 - 4,999	54	0.55 - 9.88	1.36	2.03	2.91	4.32	5.75	3.39
5,000 - 9,999	68	0.66 - 7.57	1.08	1.65	2.76	3.69	4.82	2.95
10,000 - 24,999	88	1.20 - 8.10	1.62	2.14	2.98	3.70	4.61	3.07
25,000 - 49,999	45	0.66 - 6.01	1.38	1.86	2.63	3.66	4.11	2.81
50,000 - 99,999	17	1.31 - 6.31	1.31	1.49	1.77	2.08	2.77	2.14

TABLE G - MATERIALS EXPENDITURES AS PERCENT ($) OF TOTAL OPERATING EXPENDITURES

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1988

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	50	20 - 77	20	22	30	38	50	33
2,000 - 4,999	54	18 - 48	21	22	25	27	33	26
5,000 - 9,999	68	16 - 35	19	20	21	24	27	22
10,000 - 24,999	88	14 - 39	16	17	19	21	24	20
25,000 - 49,999	45	13 - 26	14	15	16	17	20	16
50,000 - 99,999	17	12 - 25	12	13	14	15	17	15

TABLE H - HOLDINGS PER CAPITA

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1988

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	49	2.53 - 79.43	3.81	4.98	7.37	12.35	18.20	11.10
2,000 - 4,999	53	2.36 - 23.50	3.45	4.53	5.49	7.79	10.37	6.69
5,000 - 9,999	71	1.18 - 10.74	2.17	2.93	3.85	5.67	7.01	4.48
10,000 - 24,999	89	1.39 - 13.68	2.28	2.85	3.83	4.80	6.27	4.11
25,000 - 49,999	45	0.79 - 12.05	1.63	2.74	3.82	4.81	6.03	4.05
50,000 - 99,999	17	1.30 - 7.55	2.08	2.77	3.31	4.21	4.77	3.64

TABLE I - CIRCULATION PER CAPITA

range, 10th percentile, 25th percentile, median, 75th percentile, 90th percentile, and mean for Massachusetts public libraries, by population of area served (excludes 3 municipalities with populations of more than 100,000), Fiscal Year 1988

Population of Area Served	Number of Reporting Municipalities	Range	10th Percentile	25th Percentile	Median	75th Percentile	90th Percentile	Mean
1 - 1,999	49	2.65 - 40.77	3.22	4.48	6.83	9.40	13.39	8.83
2,000 - 4,999	53	1.62 - 25.97	3.33	4.83	6.52	8.74	13.32	7.86
5,000 - 9,999	71	1.30 - 17.36	2.51	3.89	6.07	8.38	10.41	6.32
10,000 - 24,999	89	2.38 - 15.27	3.78	4.37	6.37	8.84	12.00	7.07
25,000 - 49,999	45	0.92 - 19.22	2.75	4.06	6.14	7.57	10.82	6.50
50,000 - 99,999	17	1.67 - 9.06	1.88	2.21	3.18	4.60	7.42	4.06

Section Two: Data for Individual Municipalities

Population Group I
(1-1,999)

POPULATION GROUP I (1 - 1,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC $ P C	APPRO MUNIC INC $ P C	TOT OPRTG EXP $ P C	SALARY EXP $ PER CAP	SALARY EXP $ TOT EXP	MATERLS EXP $ PER CAP	MATERLS EXP $ TOT EXP	HLDGS P C	CIRC P C	HOURS OPEN WIN	HOURS OPEN SUM	HRS IN WORK WEEK	FTE
1. ALFORD	400	342	W													
2. ASHFIELD	1,530	297	W	10.00	3.92	10.76	5.41	50	2.25	21	6.92	8.29	15	15	23	1.1
3. BECKET	1,610	295	W	5.00	2.80	4.08	0.00	0	1.55	38	13.74	6.55	12	14	0.0	0.0
4. BERNARDSTON	1,790	289	W													
5. BLANDFORD	1,160	316	W	10.23	8.72	9.70	5.19	54	2.46	25	7.34	12.55	21	21	21	0.9
6. BUCKLAND	1,890	286	W	7.69	5.49	7.46	2.13	29	4.51	60	5.96	4.84	12.5	12.5	15	0.4
7. CHARLEMONT	1,210	315	W	4.65	2.15	4.23	3.22	76	0.91	22	9.92	7.11	11	10.5	15	0.4
8. CHESTER	1,220	313	W	8.19	2.94	8.36	5.58	67	1.76	21	8.11	9.07	15	15	20	0.7
9. CHESTERFIELD	1,210	314	W	7.15	5.34	6.41	2.79	43	2.74	43	5.13	5.63	15	15	16	0.5
10. CHILMARK	620	335	E	61.41	52.01	55.13	38.09	69	15.54	28	36.79	38.81	21	23	28.5	2.1
11. CLARKSBURG	1,790	288	W	6.61	4.59	5.84	3.09	53	2.53	43	4.74	9.51	29	16	20	0.6
12. COLRAIN	1,670	292	W	6.92	5.05	6.02	2.80	46	2.30	38	4.98	6.37	15	15	15	0.6
13. CONWAY	1,400	300	W													
14. CUMMINGTON	800	327	W	5.03	2.86	5.03	0.09	2	2.23	44	12.43	6.04	10	10	20	0.6
15. EAST BROOKFIELD	1,860	287	C	9.72	7.98	8.65	6.04	70	1.88	22	6.05	10.21	30	30	30	0.9
16. EGREMONT	1,310	308	W	4.34	3.17	4.34	2.89	67	1.36	31	6.55	2.88	13	13	13	0.4
17. ERVING	1,420	299	W	6.41	5.40	6.41	2.42	38	3.84	60	16.02	5.38	10	10	6	0.3
18. FLORIDA	690	332	W	4.63	2.17	3.88	0.90	23	2.98	77	3.49	7.94	12	2	12	0.3
19. GAY HEAD	220	347	E	51.47	45.09	44.88	20.91	47	22.65	50	27.69	17.90	10	10	10	0.3
20. GILL	1,300	309	W													
21. GOSHEN	760	329	W	6.20	2.28	5.86	3.49	60	2.24	38	7.96	8.68	10	10	10	0.3
22. GOSHOLD	50	351	E													
23. GRANVILLE	1,360	303	W	11.86	10.85	10.05	4.08	41	2.55	25			17	13		
24. HANCOCK	600	338	W													
25. HAWLEY	370	345	W	Does not have a public library.												
26. HEATH	580	339	W	12.01	9.23	12.01	7.73	64	3.62	30	26.65	24.38	11	11	20	0.7

POPULATION GROUP I (1 - 1,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC $ P C	APPRO MUNIC INC $ P C	TOT OPRTG EXP $ P C	SALARY EXP $ PER CAP	SALARY EXP $ TOT EXP	MATERLS EXP $ PER CAP	MATERLS EXP $ TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	HOURS OPEN SUM	HRS IN WORK WEEK	FTE
27. HINSDALE	1,780	291	W	6.94	4.04	6.94	3.69	53	1.54	22	2.53	3.54	16	16	12	0.6
28. HOLLAND	1,780	290	W	3.43	2.32	3.12	1.13	36	1.16	37	3.39	7.59	11	11	11	0.3
29. HUNTINGTON	1,930	285	W	6.58	5.63	5.96	2.79	47	1.29	22	4.84	4.30	13	13	13	0.9
30. LEVERETT	1,560	296	W	4.24	3.02	3.89	2.53	65	1.15	30	4.54	2.65	21	15	18	0.7
31. LEYDEN	620	334	W	7.14	4.84	7.54	4.29	57	1.73	23	8.50	7.86	10	10	10	0.3
32. MIDDLEFIELD	430	341	W	4.51	1.12	4.41	1.51	34	2.79	63	12.10	7.40	11	7	10	0.4
33. MONROE	140	349	W													
34. MONTEREY	970	322	W	17.26	15.79	13.97	8.65	62	3.14	22	6.59	5.34	11	11	18	0.6
35. MONTGOMERY	690	331	W			Has no year-round public library.										
36. MOUNT WASHINGTON	100	350	W								14.80	5.00			2	0.1
37. NEW ASHFORD	140	348	W			Does not have a public library.										
38. NEW BRAINTREE	700	330	C	8.02	5.71	8.02	1.43	18	4.62	58	7.96	12.89	11.5	10	15	0.4
39. NEW MARLBOROUGH	1,330	306	W	4.85	3.71	4.85	2.26	47	0.97	20			11	15		
40. NEW SALEM	880	323	W	7.00	4.57	6.40	2.65	41	1.93	30	10.11	6.14	16	16	11	0.6
41. OAKHAM	1,270	310	C	9.39	7.78	9.39	5.31	57	2.26	24	13.04	8.10	17	14.5	17	0.8
42. OTIS	980	321	W													
43. PELHAM	1,360	302	W	4.38	2.66	4.24	1.95	46	2.01	47	7.14	2.65	10	10	12	0.3
44. PERU	810	326	W	1.28	0.80	1.75	0.00	0	0.52	30	4.99	3.25	10	10	0.0	0.0
45. PETERSHAM	1,000	320	C	31.65	3.13	28.68	7.86	27	6.35	22	18.02	9.52	23.5	23.5	13.5	1.0
46. PHILLIPSTON	1,080	318	C	4.67	2.78	4.42	1.85	42	1.64	37	7.43	4.70	10	10	10	0.3
47. PLAINFIELD	460	340	W	11.78	8.28	11.11	6.32	57	3.75	34	19.77	9.92	11	11	15	0.4
48. RICHMOND	1,640	293	W	5.48	4.09	5.15	3.29	64	1.03	20	3.85	4.37	11	11	11	0.4
49. ROWE	380	344	W	53.81	50.51	53.24	31.37	59	10.65	20	79.43	40.77	15	15	15	0.8
50. ROYALSTON	1,060	319	C	9.32	7.08	7.08	3.73	53	1.48	21	4.95	4.17	15	15	15	0.4
51. RUSSELL	1,620	294	W	7.05	5.84	6.34	3.33	53	2.11	33	3.47	4.46	21.5	21.5	10.5	0.8
52. SANDISFIELD	810	325	W	6.05	4.35	6.05	4.20	69	1.54	26	5.15	4.42	14	14	12	0.4

POPULATION GROUP I (1 - 1,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC $ P C	APPRO MUNIC INC $ P C	TOT OPRTG EXP $ P C	SALARY EXP $ PER CAP	SALARY EXP % TOT EXP	MATERLS $ PER CAP	MATERLS EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	HOURS SUM	HRS IN WORK WEEK	FTE
53. SAVOY	770	328	W													
54. SHUTESBURY	1,240	312	W	4.15	0.79	4.14	1.85	45	1.32	32	3.85	2.99	13	10	10	0.3
55. TOLLAND	260	346	W													
56. TRURO	1,380	301	E	13.97	10.67	13.54	5.61	41	5.30	39	11.81	8.57	14	26	19	0.5
57. TYRINGHAM	380	343	W													
58. WALES	1,460	298	W	6.50	4.46	4.41	1.99	45	0.88	20	5.60	4.53	12	12	15	0.4
59. WARWICK	600	337	W	12.52	6.42	11.29	5.37	48	3.43	30	14.86	11.33	10	10	10	0.3
60. WASHINGTON	610	336	W	Does not have a public library.												
61. WENDELL	810	324	W	8.03	5.82	10.78	3.45	32	3.59	33	11.44	3.55	10	10	8	0.4
62. WEST STOCKBRIDGE	1,310	307	W	5.15	3.44	5.16	2.98	58	1.83	35	4.43	5.15	14	14	17	0.5
63. WEST TISBURY	1,250	311	E	36.06	35.00	31.89	21.81	68	7.19	23	13.19	18.41	20	20	20	1.8
64. WESTHAMPTON	1,340	305	W	9.96	7.01	9.89	4.29	43	2.78	28	7.05	7.30	16	16	18	0.7
65. WHATELY	1,340	304	W	11.50	10.57	11.50	5.75	50	2.54	22	11.14	10.98	16	16	20	1.0
66. WINDSOR	620	333	W													
67. WORTHINGTON	1,150	317	W	9.86	5.04	9.86	5.87	60	1.97	20	7.39	8.58	15	11	15	0.4

Population Group II
(2,000 - 4,999)

POPULATION GROUP II (2,000 - 4,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC $ P C	APPRO MUNIC INC $ P C	TOT OPRTG EXP $ P C	SALARY EXP $ PER CAP	SALARY EXP % TOT EXP	MATERLS EXP $ PER CAP	MATERLS EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	HOURS SUM	HRS IN WORK WEEK	FTE
1. ASHBURNHAM	4,930	228	C	16.46	12.36	15.22	8.05	53	3.50	23	5.48	5.66	49	49	40	3.9
2. ASHBY	2,730	270	C	4.82	3.74	4.16	1.61	39	1.99	48	8.06	3.50	15	16	15	0.4
3. AVON	4,790	231	E	22.47	21.61	20.99	12.44	59	4.33	21	7.44	5.34	49	42.5	35	2.7
4. BARRE	4,380	238	C	14.65	10.29	14.24	7.92	56	3.70	26	5.50	3.93	25	25	35	2.0
5. BERKLEY	3,630	253	E	6.56	5.51	6.55	3.78	58	1.18	18	3.44	3.38	31	15	22.5	1.4
6. BERLIN	2,220	280	C	10.40	9.39	10.40	7.11	68	2.60	25	4.51	7.06	22	20	20	1.5
7. BOLTON	2,940	266	C	10.26	10.26	10.26	5.96	58	2.73	27	4.83	3.71	17	17	25	1.5
8. BOXBOROUGH	3,060	263	C	12.27	11.45	10.66	6.69	63	2.93	27	7.13	8.81	27	23	20	1.6
9. BOYLSTON	3,530	254	C	20.86	19.28	20.25	12.59	62	4.77	24	5.91	7.66	31.5	31.5	35	3.1
10. BRIMFIELD	2,680	271	C	6.36	5.76						5.19	6.86			20	1.5
11. BROOKFIELD	2,730	269	C	9.06	7.19	8.60	4.16	48	2.91	34	5.34	5.47	21	21	21	0.9
12. CARLISLE	4,060	246	E	25.48	22.99	23.18	16.38	71	5.55	24	7.31	19.28	58	58	37	4.0
13. CHESHIRE	3,340	259	W	1.79	1.15	2.21	1.12	51	0.55	25			15	15		
14. DEERFIELD	4,700	233	W	10.61	9.02	9.24	4.78	52	2.76	30	7.83	7.83	26	26	20	1.9
15. DOUGLAS	4,590	236	C	10.58	9.53	9.53	6.53	69	2.07	22	3.15	3.16	24	21	27	2.4
16. DOVER	4,830	230	E	20.86	16.50	20.61	10.95	53	6.01	29	8.41	7.25	50	36	35	3.5
17. DUNSTABLE	2,080	281	E	12.71	9.93	11.68	7.43	64	3.53	30	9.21	6.83	20	20	18.5	1.2
18. EASTHAM	4,280	239	E	17.43	16.93	16.51	11.37	69	3.33	20	4.65	11.46	32	40	35	3.0
19. EDGARTOWN	2,990	264	E	40.97	35.13	40.97	24.42	60	9.88	24	10.45	12.14	28	28	26.5	3.7
20. ESSEX	2,960	265	E	8.02	5.95	7.85	5.10	65	1.74	22	4.49	5.67	27	22	27	1.1
21. HADLEY	4,120	245	W	8.95	7.42	7.31	4.14	57	1.58	22			35	35		
22. HAMPDEN	4,650	235	W	8.80	7.46	8.87	5.46	62	2.11	24	3.48	6.62	30	25	26	2.4
23. HARDWICK	2,300	278	W	6.65	3.42	6.63	2.61	39	1.53	23	6.43	3.36	18.5	20.5	15	0.7
24. HATFIELD	3,140	262	W	7.29	6.24	7.06	3.25	46	2.23	32	8.50	5.59	15	8	20	1.0
25. HOPEDALE	3,980	248	C	21.14	19.29	19.19	10.13	53	5.13	27	7.89	9.94	30	22	30	3.2
26. HUBBARDSTON	2,010	284	C	9.75	8.61	6.57	2.83	43	2.26	34	5.01	4.14	21	14	21	0.8

POPULATION GROUP II (2,000 - 4,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC $ P C	APPRO MUNIC INC $ P C	TOT OPRTG EXP $ P C	SALARY EXP $ PER CAP	SALARY EXP $ TOT EXP	MATERLS EXP $ PER CAP	MATERLS EXP $ TOT EXP	MLDGS P C	CIRC P C	HOURS WIN	HOURS SUM	HRS IN WORK WEEK	FTE
27. LANESBOROUGH	3,170	261	W	3.22	2.10	2.62	1.90	73	0.68	26	3.15	3.32	15	15	15	0.6
28. MARION	4,170	244	E	17.53	12.01	15.47	8.91	58	4.20	27	7.02	11.33	38.5	38.5	28.5	2.5
29. MENDON	3,490	256	C	5.18	4.19	4.82	2.14	44	1.72	36	7.28	1.62	19	15	8	0.8
30. MERRIMAC	4,870	229	E	13.70	12.21	12.54	8.98	72	2.77	22	4.86	5.75	41	41	40	3.3
31. MIDDLETON	4,710	232	E	20.43	19.71	20.41	12.97	64	4.31	21	3.63	5.99	50	30	34	5.0
32. MILLVILLE	2,010	285	C	5.47	5.47	5.47	2.62	48	1.09	20	2.36	2.44	15	14	15	0.5
33. NAHANT	3,940	249	E	25.51	24.66	25.30	13.85	59	4.81	21	19.13	12.34	35	51	40	3.9
34. NORTH BROOKFIELD	4,270	241	C	7.67	7.37	7.67	3.96	52	1.67	22	4.97	5.75	30	30	24	1.7
35. NORTHFIELD	2,410	274	W	19.44	18.24	19.03	11.48	60	4.63	24	12.22	13.74	31	31	40	2.7
36. OAK BLUFFS	2,340	277	E	16.02	15.83	15.56	11.49	74	3.29	21	5.34	5.05	21	33	20	2.1
37. PAXTON	3,830	251	C	13.49	10.85	12.63	7.34	58	3.31	26	5.02	8.39	34	20	35	2.2
38. PLYMPTON	2,290	279	E	12.45	11.51	12.48	7.83	63	3.56	29	5.53	6.04	28	28	30	1.5
39. PRINCETON	2,900	268	C	11.17	9.29	11.36	5.55	49	2.76	24	4.67	10.15	26	20	26	1.9
40. PROVINCETOWN	3,500	255	E	31.40	29.53	30.06	17.67	59	5.88	20	3.86	6.42	45	45	40	4.6
41. ROCHESTER	3,980	247	E	4.46	3.54	3.83	1.34	35	1.24	32	2.91	1.80	15		17	0.6
42. ROWLEY	4,250	243	E	11.61	10.78	11.08	6.24	56	2.88	26	6.01	3.92	23	23	27.5	2.4
43. RUTLAND	4,670	234	C	13.53	10.21	11.51	7.41	64	2.52	22	3.57	7.83	36.5	33	30	2.6
44. SHEFFIELD	2,660	272	W	15.83	14.96	15.69	10.13	65	3.72	24	11.43	6.83	27	27	40	1.8
45. SHELBURNE	2,020	282	W	15.04	6.22	16.16	5.55	34	7.00	43	23.50	14.15	18	18	20	1.3
46. SHERBORN	4,260	242	E	25.21	23.83	19.68	10.13	51	5.23	27	10.18	8.51	56	43	40	5.8
47. SOUTHAMPTON	4,450	237	W	11.42	9.60	10.50	5.98	57	2.75	26	4.60	6.71	28	18	22	2.3
48. STOCKBRIDGE	2,340	276	W													
49. SUNDERLAND	2,930	267	W	13.01	11.93	12.04	6.74	56	3.89	32	3.72	4.79	24	24	40	1.5
50. TISBURY	3,480	257	E													
51. UPTON	4,270	240	C	8.06	6.83	7.77	4.91	63	2.62	34	7.23	4.97	42	42	40	1.9
52. WARREN	3,880	250	C	12.55	9.51	12.12	5.98	49	3.05	25	4.35	5.55	26.5	29	35	1.7

POPULATION GROUP II (2,000 - 4,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC $ P C	APPRO MUNIC INC $ P C	TOT OPRTG EXP $ P C	SALARY EXP $ PER CAP	SALARY EXP $ TOT EXP	MATERL S EXP $ PER CAP	MATERL S EXP $ TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	HOURS OPEN SUM	HRS IN WORK WEEK	FTE
53. WELLFLEET	2,390	275	E	33.95	30.78	33.95	24.68	73	7.55	22	10.74	24.60	33	33	35	3.8
54. WENHAM	3,810	252	E	26.18	24.15	25.01	14.89	60	6.15	25	8.31	19.80	40	36	32.5	4.1
55. WEST BROOKFIELD	3,390	258	C	8.40	5.22	7.68	4.55	59	1.67	22	5.31	10.17	24	24	20	1.4
56. WEST NEWBURY	3,330	260	E	22.24	20.12	21.92	13.65	62	5.42	25	7.66	25.97	40	32	40	3.3
57. WILLIAMSBURG	2,490	273	W	8.62	0.99	8.20	4.71	57	1.68	21	6.27	8.05	34.5	34.5	21	1.2

Population Group III
(5,000-9,999)

POPULATION GROUP III (5,000 - 9,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC $ P C	APPRO MUNIC INC $ P C	TOT OPRTG EXP $ P C	SALARY EXP $ PER CAP	SALARY EXP % TOT EXP	MATERLS EXP $ PER CAP	MATERLS EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	HOURS SUM	HRS IN WORK WEEK	FTE
1. AQUSHNET	9,070	166	E	3.34	2.86	3.36	2.20	66	0.66	20	2.22	2.09	25	22	20	1.7
2. AYER	6,780	198	C	13.10	11.85	13.10	7.59	58	3.24	25	3.03	3.90	45	45	40	3.7
3. BELCHERTOWN	9,670	159	W	5.12	4.13	4.13	2.41	58	0.81	20	2.90	2.84	29	29	38	2.7
4. BLACKSTONE	7,120	195	C	5.80	4.60	4.36	3.28	75	1.07	25	2.90	1.30	28.5	26	32.5	1.8
5. BOXFORD	6,220	208	E	19.38	18.44	18.56	11.86	64	3.56	19	6.22	8.18	58	58	40	6.6
6. BREWSTER	7,050	196	E	20.40	16.97	16.90	10.65	63	3.59	21	3.84	9.52	34	29	35	5.0
7. CHARLTON	8,110	176	C	5.26	3.64	4.31	2.92	68	1.08	25	1.42	3.96	39	31	23	2.5
8. CHATHAM	6,430	205	E	16.24	8.79	17.80	8.53	48	4.80	27	6.53	13.79	34	34	35	4.3
9. COHASSET	7,290	189	E	30.88	29.06	30.15	21.22	70	6.71	22	7.18	10.88	53	50	35	7.9
10. DALTON	6,510	204	W	13.66	12.51	13.27	8.36	63	2.87	22	5.08	8.46	41.5	41.5	40	4.2
11. DIGHTON	5,420	224	E								3.28	2.66			15	0.9
12. DUDLEY	8,840	170	C	8.58	7.35	8.68	4.68	54	2.73	31	3.86	5.65	51	48	40	3.5
13. FREETOWN	8,020	178	E	3.62	2.39	3.32	1.69	51	1.07	32	2.57	2.50	28	28	12	1.2
14. GEORGETOWN	6,010	215	E	15.46	14.42	14.60	8.52	58	3.66	25	6.32	8.35	33.5	29.5	33.5	4.4
15. GRANBY	5,550	221	W	7.60	6.97	7.60	5.28	69	1.45	19	3.19	3.93	29.5	25.5	37	2.4
16. GREAT BARRINGTON	7,280	190	W	19.85	17.60	17.86	9.37	52	3.72	21	10.74	8.72	49	48.5	40	6.1
17. GROTON	7,030	197	C	17.01	16.18	16.94	11.90	70	3.20	19	6.44	6.75	35	25	30	4.7
18. GROVELAND	5,080	227	E	9.78	7.42	9.78	6.23	64	2.66	27	4.47	6.75	28.5	25.5	28	2.4
19. HALIFAX	6,230	207	E	12.84	11.59	12.42	8.09	65	2.53	20	3.77	5.23	46	46	40	3.6
20. HAMILTON	7,140	194	E	19.72	18.89	19.73	12.28	62	4.92	25	5.62	8.83	50	38	40	5.6
21. HANSON	9,010	167	E	6.02	5.51	5.51	4.17	76	1.20	22	2.92	2.85	40	34	35	2.8
22. HARWICH	9,860	157	E	13.07	10.48	12.19	7.02	58	2.68	22	7.04	9.32	46	48	35	5.7
23. HOPKINTON	8,460	174	C	15.05	12.44						3.74	8.94			35	5.2
24. HULL	9,630	161	E	12.82	10.93	11.89	7.97	67	2.26	19	2.93	3.34	52	48	35	4.6
25. KINGSTON	8,200	175	E	16.21	15.36	14.85	8.93	60	3.69	25	5.16	7.10	37.5	35	35	4.9
26. LAKEVILLE	7,350	186	E	6.96	6.09	6.27	3.55	57	1.56	25	2.10	2.60	32	32	24	2.7

POPULATION GROUP III (5,000 - 9,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC $ P C	APPRO MUNIC INC $ P C	TOT OPRTG EXP $ P C	SALARY EXP $ PER CAP	SALARY EXP % TOT EXP	MATERLS EXP $ PER CAP	MATERLS EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	HOURS SUM	HRS IN WORK WEEK	FTE
27. LANCASTER	6,160	209	C	21.33	17.25	21.99	11.75	53	4.41	20	6.68	6.60	47	44	40	5.0
28. LEE	6,030	214	W	19.30	16.34	18.18	9.51	52	3.68	20	8.44	6.84	38	38	35	3.9
29. LEICESTER	9,680	158	C	6.65	5.55	6.27	3.97	63	1.38	22	1.91	2.61	35	28	32	3.3
30. LENOX	6,550	202	W	29.28	6.22	26.97	15.78	59	5.01	19	10.40	8.96	38	42	35	7.8
31. LINCOLN	7,710	183	E	40.95	39.21	40.68	27.72	68	7.57	19	8.92	10.44	59.5	52.5	37.5	11.9
32. LITTLETON	7,170	193	C	16.85	15.52	16.83	11.18	66	4.05	24	6.97	10.64	49	49	35	6.2
33. LUNENBURG	8,850	169	C	11.60	10.98	11.32	7.45	66	2.68	24	3.39	6.18	38	34	37.5	4.9
34. MANCHESTER	5,260	226	E	20.92	20.24	19.84	13.41	68	3.84	19	9.33	10.18	45	39	37.5	4.2
35. MASHPEE	5,940	217	E	11.24	10.77	11.10	6.60	59	1.94	18	2.16	5.51	34	34	30	2.5
36. MATTAPOISETT	5,850	218	E	9.94	9.54	9.94	6.26	63	2.10	21	3.11	5.24	28	28	35	3.4
37. MAYNARD	9,900	156	E	11.11	10.14	11.05	7.55	68	2.10	19	3.85	3.09	35	35	35	4.5
38. MEDWAY	9,360	164	E	13.46	13.35	13.34	9.19	69	2.13	16	3.89	7.51	47	40	40	5.7
39. MILLIS	7,250	192	E	11.93	10.51	10.72	7.26	68	2.42	23	5.83	7.38	42	37	35	3.9
40. MONSON	7,670	184	W	12.77	10.09	12.30	7.66	62	2.77	22	3.77	2.68	51	44	35	3.8
41. MONTAGUE	7,980	179	W	16.26	14.83	14.83	9.94	67	2.95	20	7.01	6.18	38.5	34.5	35	5.1
42. NANTUCKET	6,000	216	E													
43. NEWBURY	5,360	225	E	14.93	14.07	14.06	8.92	63	2.92	21	2.25	3.84	33	30	32.8	3.4
44. NORFOLK	7,930	180	E	16.68	15.28	15.71	8.84	56	3.90	25	2.71	9.02	48	44	35	5.9
45. NORWELL	9,240	165	E	25.77	24.71	25.20	15.73	62	6.03	24	4.49	7.22	51	44	37.5	8.1
46. ORANGE	7,300	188	W	14.57	12.29	13.56	8.24	61	3.43	25	5.03	5.00	41.5	41.5	35	4.2
47. ORLEANS	6,050	212	E	28.94	26.83	28.94	19.08	66	5.93	20	4.78	17.36	43	36	40	7.7
48. PEPPERELL	9,630	160	C	17.19	16.19	17.05	11.08	65	3.24	19	3.24	6.97	40	37	40	6.5
49. PLAINVILLE	6,080	210	E	5.73	4.82	3.76	1.95	52	1.29	34	1.92	1.49	29	29	22.5	1.3
50. RAYNHAM	9,510	162	E	4.89	3.32	4.96	2.95	60	1.01	20	2.94	3.85	38	24	22	2.5
51. REHOBOTH	8,490	173	E	3.35	2.23	3.07	0.96	31	0.69	22	1.18	1.51	25	16	20	1.8
52. ROCKPORT	6,690	199	E	19.29	18.55	19.29	14.70	76	3.66	19	6.47	11.45	40	40	35	6.2

POPULATION GROUP III (5,000 - 9,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC $ P C	APPRO MUNIC INC $ P C	TOT OPRTG EXP $ P C	SALARY EXP $ PER CAP	SALARY EXP % TOT EXP	MATERLS EXP $ PER CAP	MATERLS EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	HOURS SUM	HRS IN WORK WEEK	FTE
53. SALISBURY	7,270	191	E	7.25	7.25	7.38	4.82	65	1.48	20	3.65	5.65	43	43	35	2.9
54. SHIRLEY	5,550	220	C	7.58	6.41	6.44	4.14	64	1.36	21	4.76	2.28	27	27	26	1.9
55. SOUTHBOROUGH	6,420	206	C	19.30	19.06	19.30	13.91	72	3.96	21	6.75	11.33	48	41	40	5.2
56. SOUTHWICK	7,920	181	W	8.57	6.83	8.33	4.75	57	2.66	32	2.29	4.69	37	33	35	3.0
57. STERLING	6,550	201	C	14.23	12.91	13.17	8.81	67	2.96	23	3.50	7.56	40	40	40	3.9
58. STOW	5,470	223	E	17.21	12.43	16.56	7.29	44	4.57	28	5.61	8.50	42	38	35	3.1
59. STURBRIDGE	7,310	187	C	9.07	7.53	8.23	5.42	66	1.57	19	2.50	5.23	48	48	40	3.5
60. SUTTON	6,590	200	C	6.11	4.89	5.35	2.98	56	1.86	35	3.19	4.43	29	29	25	2.3
61. TEMPLETON	6,050	211	C	3.92	3.39						2.01	2.15			15	1.3
62. TOPSFIELD	5,550	219	E	26.96	25.96	25.86	14.45	56	5.55	21	6.96	11.88	49	44	37.5	6.1
63. TOWNSEND	8,600	171	C	7.65	7.65	7.42	4.59	62	1.64	22	2.98	6.74	32	25	32	3.0
64. TYNGSBOROUGH	7,640	185	E	8.58	7.54	7.93	5.56	70	1.73	22	2.48	4.81	45	32	35	3.2
65. UXBRIDGE	8,950	168	C	13.37	10.52	12.57	8.45	67	2.71	22	4.94	6.29	30	30	35	5.9
66. WARE	9,430	163	W	12.33	8.02	14.20	7.10	50	2.72	19	4.80	5.67	33	33	35	4.0
67. WEST BOYLSTON	6,040	213	C	20.77	18.45	20.07	13.45	67	4.22	21	5.41	6.76	35.5	29	35	5.7
68. WEST BRIDGEWATER	6,520	203	E	17.69	17.69	17.69	11.21	63	4.14	23	4.96	4.36	44	44	35	5.2
69. WESTMINSTER	5,480	222	C	15.49	13.68	14.34	9.29	65	2.99	21	4.72	5.96	41	35	35	3.4
70. WILLIAMSTOWN	8,090	177	W	14.07	14.07	13.70	8.59	63	2.94	21	3.85	8.20	43	40	37.5	5.1
71. WINCHENDON	7,710	182	C	9.87	7.48	8.60	5.60	65	1.65	19	3.70	4.53	35	35	37	3.0
72. WRENTHAM	8,590	172	E	12.39	11.46	11.46	7.25	63	2.76	24	3.10	5.47	48.5	44.5	35	3.9

Population Group IV
(10,000-24,999)

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC $ P C	APPRO MUNIC INC $ P C	TOT OPRTG EXP $ P C	SALARY EXP $ PER CAP	SALARY EXP % TOT EXP	MATERLS EXP $ PER CAP	MATERLS EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	HOURS SUM	HRS IN WORK WEEK	FTE
1. ABINGTON	13,630	125	E	11.67	10.37	11.20	7.82	70	2.33	21	3.03	3.86	53	42.5	35	6.6
2. ACTON	17,350	95	E	20.33	19.50	19.63	15.75	80	3.03	15	4.04	10.71	67	56	40	14.1
3. ADAMS	10,080	155	W	12.25	9.99	11.93	8.50	71	2.55	21	3.82	7.36	55	55	35	6.0
4. AMESBURY	14,780	111	E	17.66	16.63	17.64	13.27	75	3.05	17	6.82	7.98	58	58	35	12.0
5. ASHLAND	10,870	149	E	6.25	6.23						3.49	4.03			35	4.1
6. ATHOL	10,840	150	C	16.30	15.65	16.19	11.17	69	3.45	21	3.56	8.90	62	53	40	8.5
7. AUBURN	14,580	113	C	20.10	20.00	19.51	11.85	61	3.91	20	3.74	10.18	61.5	51.5	35	11.4
8. BEDFORD	12,490	132	E	31.70	30.54	30.39	19.80	65	6.51	21	5.19	12.28	67	64	40	13.8
9. BELLINGHAM	14,230	116	E	7.41	7.41	7.41	5.13	69	1.75	24	2.13	3.78	52	46	35	4.2
10. BOURNE	15,730	105	E	14.98	14.26	14.29	10.30	72	2.41	17	3.25	5.31	50	50	37.5	9.5
11. BRIDGEWATER	18,420	88	E	19.90	18.77	19.72	13.46	68	3.22	16	3.99	7.50	64	48	35	14.7
12. BURLINGTON	22,750	71	E	16.42	15.50	15.50	10.99	71	3.10	20	2.84	5.02	63	52	35	13.1
13. CANTON	18,340	89	E	22.42	21.85	22.33	16.17	72	3.44	15	4.64	6.53	56	51.5	35	14.6
14. CARVER	10,470	153	E	6.39	6.39	5.99	3.26	54	1.67	28	2.30	4.21	38	38	35	3.0
15. CLINTON	12,440	135	C	9.71	9.71	9.71	6.58	68	1.60	16	9.36	3.76	43	42	37	5.0
16. CONCORD	16,470	100	E	45.26	37.24	42.42	28.10	66	6.21	15	13.68	13.54	71	60	37.5	27.7
17. DANVERS	24,150	67	E	20.45	16.20	19.10	13.30	70	3.89	20	4.98	8.07	64	60	37.5	20.1
18. DEDHAM	23,810	69	E	18.52	16.93	18.52	13.30	72	2.92	16	7.35	4.73	64	64	37.5	17.9
19. DENNIS	13,700	122	E	6.63	3.41											
20. DRACUT	24,040	68	E	9.87	8.83	9.77	6.64	68	1.60	16	2.42	4.13	60	49	35	8.6
21. DUXBURY	13,820	119	E	22.72	20.11	22.61	13.44	59	4.26	19	4.85	7.47	62	58	35	11.6
22. EAST BRIDGEWATER	10,080	154	E	19.05	16.18	18.02	11.47	64	3.59	20	4.84	4.44	52	47	35	7.9
23. EAST LONGMEADOW	12,910	129	W	21.26	20.61	20.95	14.06	67	3.48	17	4.46	10.45	65	57	37	11.9
24. EASTHAMPTON	16,330	102	W	7.95	6.08	7.95	5.48	69	1.20	15	2.36	3.44	50.5	50.5	35	4.9
25. EASTON	19,090	84	E	8.03	0.58	7.49	4.11	55	1.20	16	2.57	3.61	50	28	35	7.2
26. FAIRHAVEN	15,690	106	E	13.99	13.52	14.44	8.17	57	2.29	16	5.81	5.22	58	55	37	9.2

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC $ P C	APPRO MUNIC INC $ P C	TOT OPRTG EXP $ P C	SALARY EXP $ PER CAP	SALARY EXP % TOT EXP	MATERLS EXP $ PER CAP	MATERLS EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	HOURS SUM	HRS IN WORK WEEK	FTE
27. FOXBOROUGH	14,550	114	E	20.65	19.69	19.80	13.36	67	3.77	19	4.31	7.58	52	52	35	11.6
28. FRANKLIN	19,620	82	E	9.95	8.99	9.78	7.24	74	1.57	16	2.37	4.30	58	51	35	8.6
29. GARDNER	18,420	87	C	16.05	13.31	15.90	10.01	63	3.12	20	3.30	9.86	60	52	37.5	12.3
30. GRAFTON	11,840	141	C	10.08	8.50	10.08	6.63	66	2.08	21	4.20	3.84	45	38	35	3.2
31. GREENFIELD	17,900	91	W	14.94	13.00	14.17	10.92	77	2.14	15	4.50	6.21	54	41	37.5	11.8
32. HANOVER	11,560	144	E	14.90	13.26	14.35	8.80	61	3.04	21	5.46	7.24	51	44	35	6.3
33. HARVARD	13,140	127	C	9.88	8.70	9.88	5.85	59	2.28	23	2.56	3.44	49	47	30	5.2
34. HINGHAM	19,670	81	E	31.74	26.66	30.31	21.95	72	4.54	15	9.52	15.27	59	52	35	25.8
35. HOLBROOK	10,880	148	E	14.11	12.81	14.09	8.58	61	3.31	24	4.36	5.07	49	49	37.5	6.5
36. HOLDEN	13,750	120	C	18.33	17.01	17.22	12.07	70	2.98	17	2.74	5.32	55	46	35	9.3
37. HOLLISTON	12,980	128	E	11.46	10.52	10.45	7.14	68	1.93	18	3.18	4.16	52	45	37.5	7.2
38. HUDSON	17,550	92	C	14.41	13.34	14.27	9.92	69	2.68	19	2.69	7.04	61	53	37.5	10.6
39. IPSWICH	11,750	143	E	17.11	16.62	17.11	11.83	69	3.41	20	5.12	7.28	53.5	46	37.5	9.1
40. LONGMEADOW	16,380	101	W	16.06	15.01	15.19	9.54	63	2.52	17	3.08	10.17	57	50	36.5	11.3
41. LUDLOW	18,740	85	W	8.90	7.77	8.41	5.16	61	2.18	26	1.95	3.27	54.5	49.5	36	6.1
42. LYNNFIELD	11,350	146	E	22.27	21.32	21.32	15.31	72	4.01	19	6.26	13.98	64	56	35	10.1
43. MANSFIELD	14,920	110	E	11.73	10.76	11.12	7.18	65	2.46	22	2.90	5.07	52	45	36	6.9
44. MARBLEHEAD	19,580	83	E	27.20	26.46	26.76	18.67	70	4.96	19	4.82	11.97	64	60	40	22.9
45. MARSHFIELD	22,180	76	E	13.21	12.28	12.79	9.40	73	2.12	17	2.95	8.09	59	59	37.5	12.0
46. MEDFIELD	10,610	152	E	12.89	11.96	12.87	7.55	59	2.38	19	3.32	7.59	56	52	37.5	7.0
47. MIDDLEBOROUGH	17,410	94	E	14.65	11.73	13.63	7.38	54	5.37	39	6.40	4.36	52	52	36.5	8.2
48. MILFORD	24,230	66	C	25.19	23.98	23.10	14.91	65	4.85	21	1.85	5.82	65	57	35	21.4
49. MILLBURY	11,840	140	C	15.04	13.66	13.66	8.79	64	3.09	23	2.11	4.45	41	41	35	7.1
50. NEWBURYPORT	16,890	98	E	18.04	16.54	17.81	12.40	70	3.71	21	4.40	6.06	60	55	35	13.6
51. NORTH ADAMS	17,020	96	W	9.14	8.63	9.14	6.80	74	1.57	17	2.49	4.09	53	49	37.5	8.1
52. NORTH ANDOVER	22,390	75	E	14.43	12.59	13.95	9.16	66	2.63	19	2.98	5.66	67	56	38	12.7

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC $ P C	APPRO MUNIC INC $ P C	TOT OPRTG EXP $ P C	SALARY EXP $ PER CAP	SALARY EXP % TOT EXP	MATERLS EXP $ PER CAP	MATERLS EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	HOURS SUM	HRS IN WORK WEEK	FTE
53. NORTH ATTLEBOROUGH	23,460	70	E	8.38	7.37	8.17	5.70	70	1.36	17	1.39	3.81	50	39	37	9.4
54. NORTH READING	11,880	139	E	14.08	13.10	13.76	8.83	64	2.99	22	3.21	4.12	54	48	35	6.5
55. NORTHBOROUGH	11,320	147	C	29.36	28.26	29.30	18.12	62	5.84	20	5.06	11.63	54	54	40	12.2
56. NORTHBRIDGE	12,440	134	C	13.87	9.01	12.27	6.21	51	2.25	18	4.37	5.34	40.5	37.5	35	5.7
57. NORTON	13,710	121	E	8.22	6.69	7.38	4.61	62	1.68	23	1.97	3.28	44	40	40	4.2
58. OXFORD	12,330	137	C	10.96	9.78	10.15	6.92	68	1.83	18	2.35	4.03	42	38	37.5	5.6
59. PALMER	11,800	142	W	20.59	19.02	20.59	12.49	61	3.64	18	4.99	12.63	57	47	35	10.4
60. PEMBROKE	14,540	115	E	8.43	7.55	7.95	4.83	61	1.63	21	3.08	4.38	51	51	37.5	4.8
61. READING	22,550	74	E	20.32	18.97	19.58	14.72	75	3.34	17	4.30	12.29	68.5	60	37.5	18.8
62. ROCKLAND	15,340	107	E	12.07	10.75	11.46	7.83	68	2.45	21	2.66	4.45	54	47	35	10.1
63. SANDWICH	12,470	133	E	18.71	17.86	18.71	12.00	64	3.06	16	3.59	8.30	42	42	35	8.4
64. SCITUATE	16,960	97	E	19.11	16.61	17.78	12.04	68	2.88	16	4.16	7.99	56	52	35	10.0
65. SEEKONK	12,710	130	E	14.40	13.51	14.39	9.80	68	2.92	20	3.74	8.55	49	49	32.5	7.7
66. SHARON	14,660	112	E	21.41	20.86	21.28	13.99	66	4.55	21	4.54	9.86	50.5	50.5	37.5	11.4
67. SHREWSBURY	22,560	72	C	22.84	20.82	22.84	14.03	61	3.76	16	4.75	8.66	58	55	37.5	18.9
68. SOMERSET	18,230	90	E	14.46	14.32	14.45	10.68	74	2.65	18	4.19	7.54	71	68	35	12.5
69. SOUTH HADLEY	16,230	103	W	16.76	16.25	16.76	10.47	62	3.91	23	3.05	9.79	54	48	35	10.4
70. SOUTHBRIDGE	16,520	99	C	16.68	15.26	16.43	10.20	62	3.25	20	3.87	6.86	62	58	37.5	10.5
71. SPENCER	11,540	145	C	8.81	5.54	8.81	5.62	64	2.29	26	2.68	5.39	50	50	27	4.4
72. STONEHAM	22,550	73	E	17.25	16.77	16.39	11.09	68	2.77	17	3.63	6.20	62	51	35	16.2
73. SUDBURY	14,140	117	E	23.55	22.63	22.24	16.01	72	3.67	17	4.19	12.84	64	52	35	11.0
74. SWAMPSCOTT	13,330	125	E	21.00	19.55	19.98	14.33	72	3.86	19	5.87	8.20	60	52	35	11.4
75. SWANSEA	15,790	104	E	6.18	5.69	6.18	3.78	61	1.77	29	3.43	4.43	50	50	37.5	5.4
76. WALPOLE	19,720	80	E	16.15	14.94	16.14	10.80	67	3.55	22	4.71	7.22	63	55	35	13.4
77. WAREHAM	20,340	77	E	7.99	6.81	7.53	5.01	67	1.68	22	1.72	4.86	53.5	49.5	35	7.1
78. WAYLAND	12,190	138	E	26.12	25.35	26.11	19.67	75	4.10	16	6.14	9.19	67	57	35	12.3

POPULATION GROUP IV (10,000 - 24,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC $ P C	APPRO MUNIC INC $ P C	TOT OPRTG EXP $ P C	SALARY EXP $ PER CAP	SALARY EXP $ TOT EXP	MATERLS EXP $ PER CAP	MATERLS EXP $ TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	HOURS SUM	HRS IN WORK WEEK	FTE
79. WEBSTER	15,090	109	C	8.56	8.08	7.74	5.10	66	2.15	28	4.29	5.37	49	45	35	5.3
80. WESTBOROUGH	13,210	126	C	25.08	23.14	23.72	16.07	68	4.40	19	3.80	9.50	53	53	40	13.7
81. WESTFORD	15,210	108	E	22.82	21.83	21.27	14.92	70	3.70	17	3.93	7.28	59	44	37.5	15.6
82. WESTON	10,700	151	E	37.29	36.46	36.46	22.45	62	8.10	22	6.50	13.05	61	53	37.5	14.0
83. WESTPORT	14,010	118	E	8.38	7.74	7.24	4.76	66	1.21	17	2.33	4.19	48		35	5.0
84. WESTWOOD	12,580	131	E	34.62	34.62	33.96	24.64	73	5.36	16	6.75	12.41	67	60	35	15.7
85. WHITMAN	13,350	124	E	6.74	5.35	6.62	4.26	64	1.69	26	1.68	2.38	51	45	35	4.8
86. WILBRAHAM	12,420	136	W	18.10	16.27	17.48	10.37	59	3.51	20	5.28	10.90	59	52	35	9.0
87. WILMINGTON	17,530	93	E	18.43	17.64	17.64	13.59	77	2.45	14	4.60	5.99	60	52	35	11.8
88. WINCHESTER	20,120	78	E	31.58	30.23	31.28	21.40	68	4.87	16	6.70	11.34	63	44.5	35	21.3
89. WINTHROP	18,640	86	E	10.98	10.98	9.73	7.75	80	1.75	18	3.83	3.19	50	43	35	9.9
90. YARMOUTH	19,800	79	E	8.11	6.05	7.95	3.76	47	2.10	26	3.53	8.34	50.5	50.5	35	7.4

Population Group V
(25,000-49,999)

POPULATION GROUP V (25,000 - 49,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC $ P C	APPRO MUNIC INC $ P C	TOT OPRTG EXP $ P C	SALARY EXP $ PER CAP	SALARY EXP % TOT EXP	MATERLS EXP $ PER CAP	MATERLS EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	HOURS SUM	HRS IN WORK WEEK	FTE
1. AGAWAM	27,130	55	W	14.12	12.78	13.88	7.94	57	3.05	22	3.52	5.98	65	57	35	13.2
2. AMHERST	32,260	42	W	22.23	20.44	21.85	14.54	67	3.65	17	4.11	8.15	63	59	37.5	33.2
3. ANDOVER	27,230	53	E	30.04	29.07	29.00	19.36	67	4.73	16	7.71	12.41	71	60	37.5	31.8
4. ARLINGTON	44,350	25	E	21.10	20.30	20.97	15.38	73	3.07	15	3.91	8.34	68	60	35	38.1
5. ATTLEBORO	34,910	39	E	13.83	10.94	13.48	8.06	60	2.32	17	3.19	4.04	63	50.5	35	16.8
6. BARNSTABLE	36,540	36	E	28.25	18.40	27.75	15.28	55	4.15	15	5.68	10.54	65	65	35	39.7
7. BELMONT	25,020	65	E	32.07	30.76	30.34	20.43	67	4.76	16	5.98	9.92	68	64	35	26.8
8. BEVERLY	36,980	35	E	17.93	16.37	18.04	10.26	57	3.61	20	4.35	5.90	69	60	35	23.5
9. BILLERICA	38,230	31	E	9.31	8.40	8.54	5.96	70	1.54	18	1.74	4.72	64	56	37.5	12.3
10. BRAINTREE	34,690	40	E	20.79	20.52	20.79	12.57	60	2.65	13	2.67	4.98	64	55	38	28.5
11. CHELMSFORD	31,810	43	E	21.42	20.20	20.72	13.96	67	3.90	19	2.96	8.37	69	65	37.5	26.9
12. CHELSEA	25,640	60	E	12.78	11.42	10.55	8.27	78	1.35	13	5.30	3.45	63	42	35	12.0
13. DARTMOUTH	25,610	61	E	15.10	15.07	15.10	10.26	68	2.61	17	3.61	6.71	60	60	35	16.4
14. EVERETT	36,330	37	E	13.46	12.32	13.32	9.88	74	2.04	15	5.04	2.92	72	56	35	20.0
15. FALMOUTH	25,440	63	E	25.85	22.81	25.67	17.78	69	3.76	15	4.91	12.19	59	63	37.5	27.6
16. FITCHBURG	39,040	30	C	19.99	17.04	19.76	13.40	68	2.79	14	4.66	6.48	63.5	54	37.5	31.4
17. GLOUCESTER	28,230	50	E	14.20	11.29	13.43	10.27	76	1.86	14	3.88	5.35	63	59	40	15.1
18. HAVERHILL	48,620	22	E	14.36	10.47	14.37	9.27	65	2.12	15	3.96	4.11	69	65	40	28.6
19. HOLYOKE	42,000	27	W	9.31	5.91	7.60	4.70	62	1.33	17	2.08	2.03	63	52	35	13.9
20. LEOMINSTER	35,060	38	C	13.70	12.43	13.23	9.23	70	2.17	16	3.12	4.92	64	60	37.5	18.7
21. LEXINGTON	28,610	47	E	39.15	33.54	39.15	25.96	66	6.01	15	6.90	19.22	70	66	37	41.5
22. MARLBOROUGH	31,180	44	E	14.54	13.26	14.28	10.10	71	2.13	15	3.37	6.53	64	54	35	18.8
23. MELROSE	28,790	46	E	17.21	15.59	16.52	10.77	65	3.27	20	4.01	6.89	67	56	37	19.0
24. METHUEN	39,470	29	E	6.61	2.05	6.66	3.29	49	1.74	26	1.41	2.63	64	56	35	13.0
25. MILTON	25,500	62	E	22.66	20.96	21.55	14.99	70	3.39	16	4.85	7.21	68.5	56.5	37.5	19.6
26. NATICK	30,270	45	E	21.26	19.27	21.15	14.43	68	3.34	16	4.42	7.58	67.5	56.5	37.5	23.6

POPULATION GROUP V (25,000 - 49,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC $ P C	APPRO MUNIC INC $ P C	TOT OPRTG EXP $ P C	SALARY EXP $ PER CAP	SALARY EXP $ TOT EXP	MATERIALS EXP $ PER CAP	MATERIALS EXP $ TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	HOURS SUM	HRS IN WORK WEEK	FTE
27. NEEDHAM	27,240	52	E	25.03	25.03	24.13	16.41	68	4.06	17	5.04	11.10	68	64	37.5	25.1
28. NORTHAMPTON	28,360	49	W	25.65	18.30	22.69	16.05	71	3.77	17	12.05	7.35	71	71	37.5	30.1
29. NORWOOD	28,220	51	E	20.84	19.95	20.43	14.39	70	3.23	16	3.43	8.15	72	60	35	19.9
30. PEABODY	46,300	23	E	17.20	15.93	15.28	8.84	58	3.84	25	2.01	2.84	69	65	35	27.7
31. PITTSFIELD	49,580	21	W	12.31	10.90	12.20	9.64	79	1.87	15	5.76	7.55	68	49	35	28.9
32. PLYMOUTH	40,290	28	E	13.33	11.69	12.40	9.21	74	1.79	14	1.98	4.48	63	54.5	37.5	21.1
33. RANDOLPH	28,580	48	E	10.76	9.64	9.95	6.82	68	1.91	19	1.52	6.30	64	46	35	11.9
34. REVERE	43,510	26	E	5.73	4.64	4.60	3.22	77	0.66	14	0.79	0.92	65	53	40	11.0
35. SALEM	38,050	32	E	15.68	13.49	14.51	9.87	68	2.20	15	4.31	4.35	64	64	35	22.4
36. SAUGUS	25,860	58	E	8.53	8.04	8.53	6.25	73	1.40	16	2.50	3.03	61.5	50.5	37.5	8.9
37. STOUGHTON	27,190	54	E	16.12	15.61	15.61	10.29	66	2.76	18	3.65	4.60	64	55.5	35	16.9
38. TAUNTON	45,760	24	E	11.32	9.73	11.12	8.19	74	1.84	17	6.08	2.88	64	55	35	23.4
39. TEWKSBURY	25,660	59	E	7.72	6.79	7.72	5.58	72	1.34	17	1.25	2.87	58	51	37.5	6.4
40. WAKEFIELD	25,170	64	E	22.31	21.42	22.30	15.34	69	3.66	16	3.67	6.74	65	57	35.5	19.2
41. WATERTOWN	32,890	41	E	29.04	27.99	28.10	20.54	73	5.93	14	8.03	6.78	64	52	37	44.0
42. WELLESLEY	26,550	57	E	35.55	34.23	34.14	24.60	72	4.55	13	8.00	15.65	63	60	35	43.3
43. WEST SPRINGFIELD	26,800	56	W	13.60	12.53	13.17	8.31	63	1.96	15	3.50	5.26	68	50	37.5	13.2
44. WESTFIELD	37,710	33	W	15.66	11.54	15.24	9.60	63	2.58	17	4.71	7.48	63	54.5	37	24.3
45. WOBURN	37,380	34	E	12.41	11.41	11.32	8.34	74	1.75	15	2.49	2.65	65	56.5	37.5	16.9

Population Group VI
(50,000-99,999)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC $ P C	APPRO MUNIC INC $ P C	TOT OPRTG EXP $ P C	SALARY EXP $ PER CAP	SALARY EXP % TOT EXP	MATERLS EXP $ PER CAP	MATERLS EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	HOURS SUM	HRS IN WORK WEEK	FTE
1. BROCKTON	93,870	5	E	12.44	10.77	10.88	8.56	79	1.31	12	3.21	3.37	64	52	35	44.7
2. BROOKLINE	52,360	20	E	37.56	35.61	37.03	26.52	72	6.31	17	7.55	9.06	66	61	37	63.8
3. CAMBRIDGE	91,260	7	E	22.41	21.89	22.31	15.73	71	2.66	12	5.08	6.98	72	60	37.5	70.9
4. CHICOPEE	57,100	15	W	9.18	7.96	8.83	6.69	76	1.32	15	1.30	2.99	63	48	35	25.7
5. FALL RIVER	90,420	8	E	7.58	7.44	7.55	5.40	72	1.31	17	4.23	2.20	64	56	35	24.7
6. FRAMINGHAM	63,890	13	E	20.09	18.60	20.12	15.08	75	3.01	15	3.85	8.45	67.5	64.5	37.5	49.2
7. LAWRENCE	63,420	14	E	11.60	10.15	11.61	8.26	71	1.51	13	3.74	1.97	68	56	35	23.9
8. LOWELL	92,880	6	E	8.24	6.37	7.39	4.82	65	1.84	25	2.46	1.67	63.5	52.5	35	24.9
9. LYNN	78,560	11	E	11.81	10.33	11.79	9.36	79	1.70	14	3.42	2.23	64	50	35	45.0
10. MALDEN	53,490	19	E	13.07	10.99	12.63	8.58	68	1.88	15	4.21	2.32	66	56	35	27.5
11. MEDFORD	56,830	17	E	13.02	11.97	12.33	9.31	76	1.69	14	2.42	2.94	65	57	35	26.5
12. NEW BEDFORD	96,450	4	E	17.88	14.64	14.93	11.03	74	1.98	13	4.63	3.87	64	60	35	62.1
13. NEWTON	82,140	10	E	20.29	19.05	20.26	14.41	71	2.64	13	4.21	5.83	68	62	37.5	71.7
14. QUINCY	82,630	9	E	17.09	15.67	15.60	11.32	73	2.11	14	2.75	4.72	64	56	35	42.4
15. SOMERVILLE	72,280	12	E	14.05	12.10	12.54	9.76	78	1.92	15	3.19	2.03	63	57	35	40.6
16. WALTHAM	57,090	16	E	11.45	10.52	11.05	8.73	79	1.48	13	2.82	4.23	64	56	35	26.7
17. WEYMOUTH	54,480	18	E	13.33	12.03	13.09	10.12	77	1.67	13	2.83	4.10	67	56	35	28.5

Population Group VII
(100,000+)

MUNICIPALITY	'86 POP	POP RNK	REG	TOT OPRTG INC $ P C	APPRO MUNIC INC $ P C	TOT OPRTG EXP $ P C	SALARY EXP $ PER CAP	SALARY EXP % TOT EXP	MATERLS EXP $ PER CAP	MATERLS EXP % TOT EXP	HLDGS P C	CIRC P C	HOURS WIN	HOURS SUM	HRS IN WORK WEEK	FTE
1. BOSTON	573,600	1	E	32.90	31.21	32.71	22.77	70	4.77	15	11.02	3.17	68	64	35	675.3
2. SPRINGFIELD	149,410	3	W	29.30	27.95	29.30	20.47	70	4.29	15	4.84	8.74	68	52	37.5	163.1
3. WORCESTER	157,770	2	C	21.11	19.67	20.48	15.23	74	2.67	13	5.21	4.97	63	54.5	40	133.4

Section Three:

FY89 LIG & MEG Application Page 2

Annual Report Information Survey

Last Page

A. FY89 TOTAL OPERATING INCOME (no cents) — BUDGETED

Sources of Income	APPROPRIATED	NOT APPROPRIATED
1. Municipal Funds		
2. Dog Tax Fund		
3. Additional Aid to Public Libraries		
4. Other & Miscellaneous		
5. Trusts and Endowments		
6. Monetary Gifts		
7. LIG		
8. MEG		

FY89 BOX A	Total Appropriated Municipal Income for 7/1/88-6/30/89	

B. FY89 CAPITAL PROGRAMS & OUTLAYS*

1. Income
   - a. Appro. Municipal Income .....
   - b. Additional Aid to Public Libraries
   - c. LIG .....
   - d. MEG .....
   - e. Additional Monies .....

TOTAL BOX B1

* Funds reported in Section B should not be reported in Section A.

C. FY88 TOTAL OPERATING INCOME (no cents) — ACTUAL

Sources of Income	APPROPRIATED	NOT APPROPRIATED
1. Municipal Funds		
2. Dog Tax Fund		
3. Additional Aid to Public Libraries		
4. Other & Miscellaneous		
5. Trusts and Endowments		
6. Monetary Gifts		
7. LIG		
8. MEG		

FY88 BOX C	Total Appropriated Municipal Income for 7/1/87-6/30/88	

D. FY88 CAPITAL PROGRAMS & OUTLAYS*

1. Income
   - a. Appro. Municipal Income .....
   - b. Additional Aid to Public Libraries
   - c. LIG .....
   - d. MEG .....
   - e. Additional Monies .....

TOTAL BOX D1

BOX D2

2. Expenditures .....

* Funds reported in Section D should not be reported in Sections C or E. Please see Instructions.

Municipal Appropriation Requirement

TOTAL APPROPRIATED MUNICIPAL INCOMES FOR FISCAL YEARS 1989 TO 1986

FY 1989 (BOX A)	FY 1988 BOX C	FY 1987	FY 1986

INSTRUCTIONS - APPLICATION FORM FOR FY89 LIBRARY INCENTIVE GRANT &/OR FY89 MUNICIPAL EQUALIZATION GRANT
- (Excerpts regarding Income and Expenditures: see sections C and D for FY88 data)

A ✓ indicates new or substantially revised instructions. PLEASE read these instructions before completing the application and call the LIG/MEG Unit staff at 1-800-952-7403 or 267-9400 if you have any questions.

Applying for both the FY89 LIG and FY89 MEG? - please complete all pages of this application, check both boxes at the bottom of page 4, and have the application signed by the Chair of the Board of Trustees.

Applying only for an FY89 MEG? - please complete page 2, check the last box at the bottom of page 4, and have the application signed by the Chair of the Board of Trustees.

Instructions corresponding to each page of the Application are separated below by a solid horizontal line.

p1 At the bottom of the page give the inclusive dates of the fiscal year for which you are reporting only if it differs from a July 1 through June 30 year.

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p2 A **FY89 TOTAL OPERATING INCOME (no cents) - BUDGETED**

Exclude - income earmarked for capital programs and outlays

In Section A, indicate, in the relevant columns, the amounts budgeted for operating the library in FY89 (1 July '88 - 30 June '89) for each source of income listed.

p2 A1 **Municipal Funds**

Include + revenue, such as from the local tax levy, appropriated for operating expenditures
+ funds and transfers through the supplemental budget process
Exclude - and report separately, if possible, these sources of income. Such reporting helps identify the frequency with which various sources contribute to public library funding
- Dog Tax Fund
- Additional Aid to Public Libraries
- Other & Miscellaneous
- Library Incentive Grant (LIG) and Municipal Equalization Grant (MEG)

A2 **Dog Tax Fund**

A3 **Additional Aid to Public Libraries:**

Include + the monies from line C.3 of the FY89 Cherry Sheet if made available to the library.
Exclude - the FY89 LIG and MEG monies which were noted on line C.2 (labeled Public Libraries) of the FY89 Cherry Sheet.

A4 Other and Miscellaneous

Include + revenue not specified elsewhere in section A. Such revenue may be from fines, fees (such as from photocopiers, public access microcomputers or rentals), the sale of inventory and fixed assets, or proceeds from fund raising projects and consignment shops.

Exclude - receipts retained by the municipality and not authorized for the library's operating expenses. Also exclude these monies:

1. non-governmental grant monies received as a result of a proposal prepared in response to the requirements of the grantor. Grantors may include civic and business organizations and foundations.
2. LSCA and other federal grant monies
3. federally subsidized employment programs such as those funded under the Older Americans Act
4. income earmarked for capital programs and outlays
5. income from state government grants, such as the State Competitive Grant and those awarded by the Massachusetts Arts Lottery Council, except report the LIG, MEG and Additional Aid to Public Libraries, noted in A7-8 and A3.

- under, APPROPRIATED, receipts retained by the municipality and not authorized for the library's operating expenses.

A5 Trusts and Endowments

Include + interest or other income from trusts and endowments expected between 1 July 1988 - 30 June 1989. If some or all of your trust funds and/or endowments do not follow the July - June fiscal year, please indicate that on the bottom line of page 1.

Exclude - the principal of trusts and endowments

A6 Monetary Gifts

Include + monetary gifts received from civic and business organizations and foundations as well as from individuals

Exclude - estimated or fair market value of non-monetary gifts (such as books, paintings, furniture, etc.)

- grants from foundations or civic and business organizations

A7 LIG - Report in NOT APPROPRIATED Column

Include + the LIG funds that have been budgeted for operating library services during FY89. Based on the budget language funding the grants, we will be considering these funds as "not appropriated". Therefore, **please report such income in the "NOT APPROPRIATED" column even if town meeting took action giving the funds to the library.**

Exclude - here, but report in Section B, any amount set aside for capital outlays

- funds carried over from prior years.

A8 MEG - Report in NOT APPROPRIATED column

Include + the MEG funds that have been budgeted for operating library services during FY89. Based on the budget language funding the grants, we will be considering these funds as "not appropriated". Therefore, **please report such income in the "NOT APPROPRIATED" column even if town meeting took action giving the funds to the library.**

Exclude - here, but report in Section B, any amount set aside for capital outlays.

- funds carried over from prior years.

p2 Box A Add lines A1-5 in the APPROPRIATED column and place the sum in Box A labeled FY89 "Total Appropriated Municipal Income."

p2 B FY89 CAPITAL PROGRAMS

In general, record here the income for the hardware associated with the library's automated systems and/or automated networks for resource sharing. Also record here the income for the library's creation of machine-readable records in a retrospective conversion project if it was not reported as part of operating income.

p2 B1 INCOME (Capital)

Include + income for capital programs or outlays. These may generally be defined as extraordinary and non-recurring programs, such as cons truction, renovation, improvement, expansion, or repair of a library building, resulting in the acquisition of, or addition to, fixed assets which will remain usable in excess of one year.

Municipalities, however, often have their own definition of what constitutes a capital program or outlay. If available, use the municipality's definition or that of the Board of Trustees.

Note that any income reported here in section B1 should not be reported in section A.

B1a Appro Municipal Income (Capital)

Include + appropriations for capital programs and outlays from Municipal Funds and the Dog Tax Fund.

Exclude - and report separately below capital outlays from Additional Aid to Public Libraries, LIG and/or MEG, and Additional Monies.

B1b Additional Aid to Public Libraries (Capital)

Include + Additional Aid to Public Library monies appropriated for library capital programs and outlays. Additional Aid to Public Libraries monies were reported to municipalities on

line C.3 of the FY89 Cherry Sheet.
Exclude - any LIG and MEG monies designated for Capital programs and outlays. Such income should be reported on lines B1c and d.

B1c **LIG (Capital)**

Include + money if budgeted for capital outlays rather than for operating income and expenditures.

B1d **MEG (Capital)**

Include + money if budgeted for capital outlays rather than for operating income and expenditures

B1e **Additional Monies (Capital)**

Include + income for capital programs and outlays from these sources of income:
- o interest from trusts and endowments
- o monetary gifts
- o Other and Miscellaneous
- o federal monies
- o state monies other than those received from the Board of Library Commissioners and the Additional Aid to Public Libraries

p2 Box B1 **Add lines B1a-e and place the sum in the box below labeled B1.**

p2 C **FY88 TOTAL OPERATING INCOME (no cents) - ACTUAL**
In Section C, indicate, in the relevant columns, the amounts received for operating the library in FY88 (1 July '87 - 30 June '88) for each source of income listed.

Section C asks for essentially the same information for FY88 that was requested in Section A for FY89. Section C asks for a report of actual operating income received by the library for operating services in FY88 whereas Section A asked for operating income budgeted for FY89. For the similar income sources, we are not repeating the instructions but ask you to refer back to Section A.

p2 C1 **Municipal Funds**

Include and Exclude - same as for Section A

C2 **Dog Tax Fund**

C3 **Additional Aid to Public Libraries:**

Include + the monies from line B.8 of the FY88 Cherry Sheet if made available to the library.
Exclude - the FY88 LIG & MEG monies reported on line B.10 of the FY88 Cherry Sheet.

C4 **Other and Miscellaneous**

Include + revenue not specified elsewhere in section C. Such revenue is the same type as noted for Section A

Exclude - receipts retained by the municipality and not authorized for the library's operating expenses; exclude the same types of receipts noted for Section A. If the library received LIG, MEG and Additional Aid to Public Libraries monies, please report those separately in C7, C8 and C3.

C5 **Trusts and Endowments**

Include + same as for Section A except these are monies received between 1 July 1987 - 30 June 1988.

Exclude - same as for Section A

C6 **Monetary Gifts**

Include and Exclude - same as for Section A

C7 **LIG - Report in Not Appropriated Column**

Include + the LIG funds that were received for operating library services during FY88. Based on the budget language funding the grant, we will be considering these funds as "not appropriated". Therefore, **please report such income in the "NOT APPROPRIATED" column even if town meeting took action giving the funds to the library.**

Exclude - here, but report in Section D, any set aside for capital outlays.

✓ - funds carried over from prior years.

C8 **MEG - Report in Not Appropriated Column**

Include + the MEG funds that were received for operating library services during FY88. Based on the budget language funding the grant, we will be considering these funds as "not appropriated". Therefore, **please report such income in the "NOT APPROPRIATED" column even if town meeting took action giving the funds to the library.**

Exclude - here, but report in Section D, any set aside for capital outlays.

✓ - funds carries over from prior years.

p2 Box C **Add lines C1-5 in the APPROPRIATED column and place the sum in Box C labeled FY88 "Total Appropriated Municipal Income."**

p2 D **FY88 CAPITAL PROGRAMS AND OUTLAYS**

Section D asks for the same type of income as noted for Section B, and expenditures data.

p2 D1 **INCOME (Capital)**

Include - same types of income as noted for Section B. **Note that any income reported here in section D1 should not be reported in section C.**

D1a **Appro Municipal Income (Capital)**

Include + same as for Section B
Exclude - items listed separately below

D1b **Additional Aid to Public Libraries (CAPITAL)**

Include + same as noted for Section B except was on line B.8 of FY88 Cherry Sheet
Exclude - any LIG and MEG monies designated for capital; report those monies on lines D1c and D1d

D1c **LIG (CAPITAL)**

Include + if received for capital rather than for operating

D1d **MEG (CAPITAL)**

Include + if received for capital rather than for operating

D1e **Additional Monies (Capital)**

Include + same types of monies as noted for Section B

p2 Box D1 **Add lines D1a-e and place the sum in the box below labeled D1.**

p2 D2 **Expenditures (Capital)**

Include + all expenditures and encumbrances for capital programs and outlays made from the sources of income listed above in D1a-e.
Note that any expenditures reported here in section D2 should not be reported in section E.

p2 Box D2 **Place the sum of all such expenditures and encumbrances in the box labeled D2.**

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p3 E **FY88 TOTAL OPERATING EXPENDITURES (no cents) - ACTUAL**

Include + expenditures and encumbrances from income reported above in C1-8

+ expenditures, defined as the cost of goods delivered or services rendered
+ encumbrances, defined as a contingent liability in the form of pur chase orders, contracts, or salary commitments which were not yet paid as of the last day of the fiscal year, but are to be paid out of FY88 Sources of Income. An example of an encumbrance is an order for books not yet received (or paid for) on the last day of the fiscal year, but for which funds are reserved (encumbered) to pay the bill when received.

Exclude - expenditures and encumbrances from income reported in D1a-e (Capital Programs and Outlays)

p3 E1 **Salaries**

Include + expenditures and encumbrances from income reported in C1-8
+ total salaries paid all staff (full-time, part-time, seasonal, sub stitute, hourly, etc.) holding positions routinely included in the library budget year after year

Exclude - contracted building maintenance services
- salaries paid with federal monies (LSCA, Older Americans Act, etc.)
- salaries paid by other municipal departments or from the State Competitive Grant Program
- pension and fringe benefit expenditures (If either or both are paid from the library's income, include the amount expended in "Other Operating Expenditures" Box E3 below.)

p3 Box E1 **Place the amount of salary expenditures/encumbrances to the right in Box E1 labeled "Total Salary Expenditures."**

p3 E2a-d **Library Materials**

Include + expenditures and encumbrances from income reported in C1-8
+ for books, the amount expended and encumbered for books and other printed materials catalogued or made ready for use (processed) in the same manner as books
+ separate amounts for periodicals, microforms, non print and additional materials.

p3 E2d **Non-Print and Additional Materials**

Include + expenditures and encumbrances for income reported in C1-8
+ audio recordings (LP records, compact disc, and audio cassettes)
+ 8 and 16mm films if they are part of the library's permanent collection
+ video recordings (video cassettes and videodiscs) if they are part of the library's permanent collection
+ other AV materials which require the use of special equipment to be seen or heard
+ additional non-book library materials which do not require the use of special equipment to be seen or heard, e.g., maps, art prints, globes, vertical file material, and games
+ microcomputer software

✓ p3 Box E2 **Add the amounts reported on lines E2a-d marked books, periodicals, microforms, non-print and additional materials and place the total to the right in**

Box E2 labeled "Total Materials Expenditures."

p3 E3 Other Operating Expenditures

Include expenditures and encumbrances:
- + from income reported in C1-8
- + for all purposes other than salaries and materials
- + for items such as the following, for example:
  - maintenance of plant; electricity
  - telephone and telecommunications
  - equipment and film rentals
  - equipment maintenance contracts
  - annual network and consortium membership fees
  - supplies, postage; binding and rebinding
  - fees for speakers; pension and fringe benefit costs
  - creation of machine-readable records

Exclude - expenditures and encumbrances from income reported in D1a-e (Capital Programs and Outlays) above

p3 Box E3 Place the amount to the right in Box E3 labeled "Other Operating Expenditures."

p3 Box E Total Operating Expenditures

Add Boxes E1, E2, and E3 and place the total to the right in Box E labeled "Total Operating Expenditures."

HOLDINGS AND CIRCULATION INFORMATION FOR FY88

If data are for other than July 1, 1987 - June 30, 1988, please give inclusive dates here _____

A. HOLDINGS

1. **LIBRARY PRINT MATERIALS**
   - a. Volumes Owned.....
   - b. Volumes of Bound Periodicals.....
   - c. Periodical Subscriptions Rec'd.....
   - d. Physical Units of Microforms.....
2. **LIBRARY NON-PRINT & ADDITIONAL MATERIALS**
   - a. Audio Recordings.....LP records_____ + compact discs_____ + audio cassettes_____ =
   - b. Films 8mm.....
   - c. Films 16mm.....
   - d. Filmstrips.....
   - e. Slide Sets.....
   - f. Video Recordings.....videodiscs_____ + video cassettes_____ =
   - g. Multi-media Kits.....
   - h. Framed Art Prints.....
   - i. Other.....

TOTAL A

B. CIRCULATION (Including Non-Resident)

1. **LIBRARY PRINT MATERIALS**
   - a. Direct Circulation to Users.....
   - b. Circulation from other Libraries to Users (ILL).....
   - c. Circulation to other Libraries (ILL).....
2. **LIBRARY NON-PRINT & ADDITIONAL MATERIALS**
   - a. Audio Recordings.....LP records_____ + compact discs_____ + audio cassettes_____ =
   - b. Films 8mm.....
   - c. Films 16mm.....
   - d. Filmstrips.....
   - e. Slide Sets.....
   - f. Video Recordings.....videodiscs_____ + video cassettes_____ =
   - g. Multi-media Kits.....
   - h. Framed Art Prints.....
   - i. Other.....

TOTAL B

C. CIRCULATION (NON-RESIDENT ONLY)

1. Number of items of all types of materials circulated to non-residents was _____.

ANNUAL REPORT INFORMATION SURVEY INSTRUCTIONS
(for Holdings and Circulation Information)

A1 **FY88 HOLDINGS: LIBRARY PRINT MATERIALS**

A1a **Volumes Owned:** Count one for each volume (i.e. physical unit, either hard or soft bound) owned by the library in its catalogued collection of books and related printed materials catalogued or processed in the same manner as books.

A1b **Volumes of Bound Periodicals:** Count, according to the method used in your library, the number of volumes of hardbound periodicals owned by the library. Report "0" if the library does not own any volumes of bound periodicals.

A1c **Periodical Subscriptions Received:** Count one for each title, excluding duplicate subscriptions.

A1d **Physical Units of Microforms:** Count one for each roll of microfilm or each card of microfiche.

A2 **FY88 HOLDINGS: LIBRARY NON-PRINT & ADDITIONAL MATERIALS:** For each of the media listed, count materials separately by title, including one for each titled part of a series. Because we did not give you notice of new data items, you are not required to break down the counts for audio recordings and video recordings by the formats listed for those media. If, however, you do have counts by those formats readily available and can provide them, the data (or an indication that the format is owned but not counted separately), will be useful for our Non-Print Media Unit. Thank you.

A2a **Audio recordings:** Please provide a total count of all audio recordings. Include, if available, a separate figure for LP records, compact discs, and audio cassettes.

A2b-c **Films 8mm and 16mm:** Count only those owned by the library.

A2d-e **Filmstrips and Slide Sets:** Include sound and silent.

A2f **Video Recordings:** Please provide a total count of all video recordings. Include, if available, a separate figure for videodiscs and cassettes, either commercially or non-commercially produced.

A2g **Multi-Media Kits:** A kit is a variety of media formats (usually a minimum of 3) gathered and integrated into a unit such that the varied components overlap and reinforce the value of each other. Count one for each kit title.

A2h **Framed Art Prints:** Include framed art prints intended for circulation. Do not include individual photographs or clippings.

A2i **Other:** Include materials not listed individually such as globes, games, puzzles, toys, realia, maps, microcomputer software, vertical file material, etc. Count one for each drawer of vertical file material; for all other items count or estimate one for each title.

Add lines A1a and A2a-h, placing the figure below on the dark line labeled "TOTAL A." Do not include lines A1b-d and A2i in the total.

B1 **FY88 CIRCULATION: LIBRARY PRINT MATERIALS**

B1a **Direct Circulation to Users:** Count one for each book or issue of a periodical lent from the collection to users (including non-residents), and one for each renewal, including circulation from bookmobiles operated by the library. Circulation of materials owned by the regional public library systems should also be included in this count.

B1b **Circulation from Other Libraries to Users (ILL):** Count one for each book or issue of a periodical received from another library's collection and circulated to users, and one for each renewal. This figure should reflect the interlibrary loans received by the library.

B1c **Circulation to Other Libraries (ILL):** Count one for each book or issue of a periodical loaned to another library, and one for each renewal. This figure should reflect the interlibrary loans sent by the library.

B2 **FY88 CIRCULATION: LIBRARY NON-PRINT & ADDITIONAL MATERIALS**

B2a-i Count one for each title lent from the library's own collection to users and one for each renewal (including non-residents). Also count one for each title received from the regional public library systems or from another library's collection and lent to users or another library, and one for each renewal. See note re: audio recording and video recording formats in A2 FY88 Holding above.

Add lines B1a-c and B2a-h, placing the figure below on the dark line labeled "TOTAL B." Do not include line B2i in the total.

C. **CIRCULATION (NON-RESIDENT ONLY)**

Report the number of items (excluding ILL) lent to Massachusetts residents who are not residents of your municipality.

If you have any questions, please call the Planning and Research Unit staff at 1-800-952-7403 or 267-9400

Municipal Index to Population Groups

Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group	Municipality	Pop. Group
ABINGTON	IV	BREWSTER	III	DUNSTABLE	II	HANCOCK	I	LUDLOW	IV
ACTON	IV	BRIDGEWATER	IV	DUXBURY	IV	HANOVER	IV	LUNENBURG	III
ACUSHNET	III	BRIMFIELD	II	EAST BRIDGEWATER	IV	HANSON	III	LYNN	VI
ADAMS	IV	BROCKTON	VI	EAST BROOKFIELD	I	HARDWICK	II	LYNNFIELD	IV
AGAWAM	V	BROOKFIELD	II	EAST LONGMEADOW	IV	HARVARD	IV	MALDEN	VI
ALFORD	I	BROOKLINE	VI	EASTHAM	II	HARWICH	III	MANCHESTER	III
AMESBURY	IV	BUCKLAND	I	EASTHAMPTON	IV	HATFIELD	II	MANSFIELD	IV
AMHERST	V	BURLINGTON	IV	EASTON	IV	HAVERHILL	V	MARBLEHEAD	IV
ANDOVER	V	CAMBRIDGE	VI	EDGARTOWN	II	HAWLEY	I	MARION	II
ARLINGTON	V	CANTON	IV	EGREMONT	I	HEATH	I	MARLBOROUGH	V
ASHBURNHAM	II	CARLISLE	II	ERVING	I	HINGHAM	IV	MARSHFIELD	IV
ASHBY	II	CARVER	IV	ESSEX	II	HINSDALE	I	MASHPEE	III
ASHFIELD	I	CHARLEMONT	I	EVERETT	V	HOLBROOK	IV	MATTAPOISETT	III
ASHLAND	IV	CHARLTON	III	FAIRHAVEN	IV	HOLDEN	IV	MAYNARD	III
ATHOL	IV	CHATHAM	III	FALL RIVER	VI	HOLLAND	I	MEDFIELD	IV
ATTLEBORO	V	CHELMSFORD	V	FALMOUTH	V	HOLLISTON	IV	MEDFORD	VI
AUBURN	IV	CHELSEA	V	FITCHBURG	V	HOLYOKE	V	MEDWAY	III
AVON	II	CHESHIRE	II	FLORIDA	I	HOPEDALE	II	MELROSE	V
AYER	III	CHESTER	I	FOXBOROUGH	IV	HOPKINTON	III	MENDON	II
BARNSTABLE	V	CHESTERFIELD	I	FRAMINGHAM	VI	HUBBARDSTON	II	MERRIMAC	II
BARRE	II	CHICOPEE	VI	FRANKLIN	IV	HUDSON	IV	METHUEN	V
BECKET	I	CHILMARK	I	FREETOWN	III	HULL	III	MIDDLEBOROUGH	IV
BEDFORD	IV	CLARKSBURG	I	GARDNER	IV	HUNTINGTON	I	MIDDLEFIELD	I
BELCHERTOWN	III	CLINTON	IV	GAY HEAD	I	IPSWICH	IV	MIDDLETON	II
BELLINGHAM	IV	COHASSET	III	GEORGETOWN	III	KINGSTON	III	MILFORD	IV
BELMONT	V	COLRAIN	I	GILL	I	LAKEVILLE	III	MILLBURY	IV
BERKLEY	II	CONCORD	IV	GLOUCESTER	V	LANCASTER	III	MILLIS	III
BERLIN	II	CONWAY	I	GOSHEN	I	LANESBOROUGH	II	MILLVILLE	II
BERNARDSTON	I	CUMMINGTON	I	GOSNOLD	I	LAWRENCE	VI	MILTON	V
BEVERLY	V	DALTON	III	GRAFTON	IV	LEE	III	MONROE	I
BILLERICA	V	DANVERS	IV	GRANBY	III	LEICESTER	III	MONSON	III
BLACKSTONE	III	DARTMOUTH	V	GRANVILLE	I	LENOX	III	MONTAGUE	III
BLANDFORD	I	DEDHAM	IV	GREAT BARRINGTON	III	LEOMINSTER	V	MONTEREY	I
BOLTON	II	DEERFIELD	II	GREENFIELD	IV	LEVERETT	I	MONTGOMERY	I
BOSTON	VIII	DENNIS	IV	GROTON	III	LEXINGTON	V	MOUNT WASHINGTON	I
BOURNE	IV	DIGHTON	III	GROVELAND	III	LEYDEN	I	NAHANT	II
BOXBOROUGH	II	DOUGLAS	II	HADLEY	II	LINCOLN	III	NANTUCKET	III
BOXFORD	III	DOVER	II	HALIFAX	III	LITTLETON	III	NATICK	V
BOYLSTON	II	DRACUT	IV	HAMILTON	III	LONGMEADOW	IV	NEEDHAM	V
BRAINTREE	V	DUDLEY	III	HAMPDEN	II	LOWELL	VI	NEW ASHFORD	I

Municipality	Pop. Group
New BEDFORD	VI
New BRAINTREE	I
New MARLBOROUGH	I
New SALEM	I
NEWBURY	III
NEWBURYPORT	IV
NEWTON	VI
NORFOLK	III
NORTH ADAMS	IV
NORTH ANDOVER	IV
NORTH ATTLEBOROUGH	IV
NORTH BROOKFIELD	II
NORTH READING	IV
NORTHAMPTON	V
NORTHBOROUGH	IV
NORTHBRIDGE	IV
NORTHFIELD	II
NORTON	IV
NORWELL	III
NORWOOD	V
OAK BLUFFS	II
OAKHAM	I
ORANGE	III
ORLEANS	III
OTIS	I
OXFORD	IV
PALMER	IV
PAXTON	II
PEABODY	V
PELHAM	I
PEMBROKE	IV
PEPPERELL	III
PERU	I
PETERSHAM	I
PHILLIPSTON	I
PITTSFIELD	V
PLAINFIELD	I
PLAINVILLE	III
PLYMOUTH	V
PLYMPTON	II
PRINCETON	II
PROVINCETOWN	II
QUINCY	VI
RANDOLPH	V
RAYNHAM	III
READING	IV
REHOBOTH	III
REVERE	V
RICHMOND	I
ROCHESTER	II
ROCKLAND	IV
ROCKPORT	III
ROWE	I
ROWLEY	II
ROYALSTON	I
RUSSELL	I
RUTLAND	II
SALEM	V
SALISBURY	III
SANDISFIELD	I
SANDWICH	IV
SAUGUS	V
SAVOY	I
SCITUATE	IV
SEEKONK	IV
SHARON	IV
SHEFFIELD	II
SHELBURNE	II
SHERBORN	II
SHIRLEY	III
SHREWSBURY	IV
SHUTESBURY	I
SOMERSET	IV
SOMERVILLE	VI
SOUTH HADLEY	IV
SOUTHAMPTON	II
SOUTHBOROUGH	III
SOUTHBRIDGE	IV
SOUTHWICK	III
SPENCER	IV

Municipality	Pop. Group
SPRINGFIELD	VII
STERLING	III
STOCKBRIDGE	II
STONEHAM	IV
STOUGHTON	V
STOW	III
STURBRIDGE	III
SUDBURY	IV
SUNDERLAND	II
SUTTON	III
SWAMPSCOTT	IV
SWANSEA	IV
TAUNTON	V
TEMPLETON	III
TEWKSBURY	V
TISBURY	II
TOLLAND	I
TOPSFIELD	III
TOWNSEND	III
TRURO	I
TYNGSBOROUGH	III
TYRINGHAM	I
UPTON	II
UXBRIDGE	III
WAKEFIELD	V
WALES	I
WALPOLE	IV
WALTHAM	VI
WARE	III
WAREHAM	IV
WARREN	II
WAYLAND	I
WASHINGTON	I
WATERTOWN	V
WAYLAND	IV
WEBSTER	IV
WELLESLEY	V
WELLFLEET	II
WENDELL	I
WENHAM	II

Municipality	Pop. Group
WEST BOYLSTON	III
WEST BRIDGEWATER	III
WEST BROOKFIELD	II
WEST NEWBURY	II
WEST SPRINGFIELD	V
WEST STOCKBRIDGE	I
WEST TISBURY	I
WESTBOROUGH	IV
WESTFIELD	V
WESTFORD	IV
WESTHAMPTON	I
WESTMINSTER	III
WESTON	IV
WESTPORT	IV
WESTWOOD	IV
WEYMOUTH	VI
WHATELY	I
WHITMAN	IV
WILBRAHAM	IV
WILLIAMSBURG	II
WILLIAMSTOWN	III
WILMINGTON	IV
WINCHENDON	III
WINCHESTER	IV
WINDSOR	I
WINTHROP	IV
WOBURN	V
WORCESTER	VII
WORTHINGTON	I
WRENTHAM	III
YARMOUTH	IV